

Project	Phase	Description	Idea ID	Project ID	Project Status	Kickoff Date	Closeout Date	FY	Project Team's Recommendation	Approval Status?	Project ID Merge	Primary Reason for 10x Decision
Open Science Field Guide	Phase One	Federal science communities are required to open their data (Evidence Act 2018) which increases accountability and trust for publicly-funded research. But opening data is complex and resource-intensive to operationalize. There are serious risks including privacy, national security, and misuse/misinterpretation. Agency expertise is inconsistent on this topic, and existing resources don't support those getting started. Uncertainty has reduced agency open data compliance, increased the risk of redundant funding, and ultimately, risked public credibility.  10x validated these needs and prototyped and documented a solution: a facilitated workshop process in which agencies create a risk/benefit assessment framework tailored to their needs. 10x will investigate expanding on this prototype in collaboration with scientific data stewards and developing an open-source field guide for agencies to help ease the path towards open, publicly-funded science.	FY21-10X-80312	264833	Awaiting Start			FY22				
Government Technology Hiring Toolkit	Phase One	Through 18F's work with agency partners, we have observed that agencies understand the critical importance of bringing technology talent into government service, but struggle with hiring and outreach. We believe that if we assist agencies in crafting position descriptions and performing targeted outreach, we can successfully bring excited, competent technologists to the federal service. 10x will investigate the feasibility of helping agencies bring in diverse, highly-skilled technical talent into government service through developing a handbook or toolkit for hiring technology professionals.	FY21-10X-97620	057549	Awaiting Start			FY22				
Inclusion for Rulemaking in Early Stages	Phase One	There is an opportunity to increase public participation in the early parts of the rulemaking process. Public commenting is a part of the federal rulemaking process under Section 553 of the Administrative Procedure Act but it often happens after the rule has been drafted. This puts the burden on the public to figure out what rules are being written and to navigate a public comment process that can be confusing, limited, and superficial.  10x will investigate ways to easily and inclusively involve the public in earlier stages of rulemaking, such as during the drafting and ideation of such rules, as well as identify tools, resources, or processes that can help increase early public engagement in ways that are substantive and generative. The earlier that the public's input is incorporated in this process, the greater the opportunity for the public to impact regulations and have a voice in the rulemaking.	FY21-10X-36344	225159	Awaiting Start			FY22				
Finding Grant-Funded Results and Products	Phase One	We have observed a few problems with the governmental grants process. First, many of the useful results and products generated by federal grants remain undiscovered (and thus unused) by those who could benefit from them. And second, grants may be unnecessarily duplicated with other grants because applicants are unaware this work has already been done. 10x will investigate developing an online means for applicants to easily discover shareable federal grant results and products for all agencies that will maximize the benefits of the original work, decrease unnecessary duplication of effort, expand communities of practice, and free up resources to fund new work that builds on previous accomplishments.	FY21-10X-83011	735024	Awaiting Start			FY22				
Futures Toolkit	Phase One	As creators of government technology, our work has long lasting implications. However, we have observed that government technology projects are usually designed to solve the problems of today, not the problems of tomorrow. For example, most legacy technology projects are focused on "bringing government technology into the modern era" but what about the future era? We believe that government technology needs to be designed with an eye towards tomorrow. Design Futures is a methodology that civil servants could adopt that would help them take into consideration multiple possible futures that could affect their work. This will be invaluable in helping civil servants consider the long-term consequences of our work and help ensure that we are creating an increasingly equitable tomorrow through the technology we are building and buying today. 10x will investigate the feasibility and value of incorporating Design Futures and other future-focused practices into our work as we imagine the future of technology-powered public service delivery.	FY21-10X-44442	370332	Awaiting Start			FY22				
Navigating Public Records	Phase Three	Across the government, hundreds of online FOIA Libraries contain a wealth of information, yet these libraries are disconnected and lack a centralized search capability to allow the public to easily navigate the records. 10x will investigate a centralized search capability that would allow the public to search across all agency FOIA Libraries, enhancing the public's interaction with government by facilitating the discovery of records already in the public domain, and creating efficiencies in agency FOIA operations as resources are directed to processing FOIA requests for information not previously disclosed and available to the public.	FY20-10X-94934	318275	Awaiting Start			FY22				
Equity-Centered Design with American Indians and Alaska Natives	Phase Three	Today, 1.9 million American Indians and Alaska Natives belong to 567 federally recognized tribes. However, tribal consultation (i.e., user research with tribes) is not conducted consistently across federal agencies, or even within individual agencies. This leads to products, services, and policies that don't meet tribes' needs, as well as reporting/administrative burdens disproportionate to the support tribes receive. There is a need for clear, plain language guidance, as well as a standardized platform for engaging tribes in meaningful consultation, which would help create more consistent and equitable engagement with, and better services for, American Indians and Alaska Natives. 10x will explore plain language guidance and other tools to create a more consistent and equitable engagement with American Indians and Alaska Natives.	FY20-10X-18343	798348	Awaiting Start			FY22				
Public Service Catalog	Phase Three	The government lacks a standardized way for identifying, describing, and publishing information about all of the services offered to the public across federal agencies, making it difficult for the public to find and access these services. Establishing a data standard and a process of publishing/aggregating this data will make it easier to ensure the federal government is adequately describing the services it provides in a way that can easily be incorporated into search engines and government-wide directories like USA.gov and the National Contact Center. This effort will also complement a parallel initiative from OMB, which has made the Federal Program Inventory an FY22 priority.	FY20-10X-28881	927496	Awaiting Start			FY22				
Government Notification Services	Phase Three	The US has an opportunity to better leverage notifications to help the public get status updates on government programs and services. Learning from recent government efforts in the UK and Australia, TTS will investigate the feasibility of a notifications platform for government services.	FY19-10X-85009	921393	Awaiting Start			FY22				
Contact Tracing in Federal Buildings	Phase Three	In many instances, Agencies are buying proprietary, black-box software when trying to develop COVID contact tracing applications, which runs the risk of potential privacy, security, and interoperability issues. There is an opportunity for massive cost savings for budget-strapped agencies, and a solution that can be deployed significantly faster to meet the urgent need to protect the well-being of the public and ultimately save countless lives. 10x will investigate the work being done from other open source platforms to potentially adapt existing tools into a shareable, open source solution that could be offered for rapid adoption across the United States.	FY20-10X-45898	102807	Awaiting Start			FY22				
Future of Data Collection	Phase Three	The pace of both technology transformation and the public's expectation for real-time data are increasing. Government surveying methods have not kept up with these changes. TTS—drawing on the USAgov team's experience in the field of government surveys—will explore how the government might provide valuable data in real-time back to survey respondents and use adjacent information to enhance the quality of survey instruments.	FY19-10X-43344	113640	Awaiting Start			FY22				
Resources for Former Incarcerated Individuals	Phase Two	More than 650,000 people are released from prison every year, but studies show that the recidivism rate is at nearly 66 percent. While many government agencies offer guidance for the formerly incarcerated, we believe this issue is so high profile in society today that it warrants further exploration by 10x. For example, we have observed that there is no centralized, government-led resource for formerly incarcerated individuals to learn about reentry services, social safety net programs, or record expungement – services that help keep people out of the carceral system. 10x will explore current government offerings in this space and investigate the creation of a centralized resource to help support both individuals leaving prison and the network of local and national nonprofit organizations dedicated to supporting their reentry.	FY21-10X-70424	870672	Awaiting Start			FY22				
Data Passport	Phase Two	We have observed that the public does not have a good understanding of what happens to their data when they share it with the federal government, which results in low public trust, low sign up for optional services intended to benefit the public, and underreporting of civil rights and whistleblower complaints. We believe that by creating a "data passport" or personal file that would allow people to see who accessed the data that they shared with the government and when, or opt into sharing information to match for service eligibility or allow the government to prefill forms like taxes or enrollment forms, that it would result in a more transparent relationship between the public and government and increase public trust. In addition, 10x will explore the concept of a public data trust, which means involving the public not just in information sharing, but in the process of analyzing and making decisions based off that data as well.	FY21-10X-70263	178617	Awaiting Start			FY22				
Reimagining Access to Government Services	Phase Two	We have observed that circumstances of poverty can make it incredibly difficult for the people who need government benefits the most to apply for and receive these benefits. These circumstances include having phone numbers shared among multiple people or lacking a consistent phone number at all, and not having a reliable permanent address to receive mail. These are serious obstacles for many people trying to navigate the government's benefits processes, because many of these are basic requirements when signing up for government services and communicating with agencies. What if we could design technical workarounds for folks in these difficult situations that would help them access benefits more easily? 10x will investigate these constraints and explore solutions to this problem using technology.	FY21-10X-48969	558252	Awaiting Start			FY22				
Improving Response and Tracking of Sewer Spills	Phase Two	Sewer systems are a hidden, but critical component of our country's infrastructure that transport domestic and industrial wastewater to treatment facilities. Occasionally, these sewer systems overflow and release sewage into the environment and into homes. Federal regulations require basic data reporting about these releases to their permitting authorities, but these reports are most often done on paper or in non-standard formats, which limits the availability and utility of these data on a national scale. Improvements to these datasets will provide transparency on the locations of frequent sewer overflows, including if they are in areas of environmental justice concerns, such as underserved communities. 10x will investigate how to use modern reporting tools, with open source software, to help the regulators better respond to emergencies by providing more effective and efficient oversight to prevent and minimize sewer overflows. In addition, 10x will gather and make sense of data relating to how these overflows may disproportionately affect underserved communities.	FY21-10X-89709	813773	Awaiting Start			FY22				
10x Administration R2FY20	10x Admin	TTS will use the funding for administrative and development costs.			Closed	10/1/2020		FY20	No	No		
Leveraging AI to Drive Intelligent Policy	Phase One	Law, policy, and USG guidance documents are written, maintained, and updated separately, making them hard to discover, understand, and analyze for interdependencies or conflicting mandates. 10x will explore building a system that leverages natural language processing, machine learning, or other emerging technologies, which will allow public servants to better understand and more effectively execute their respective missions and to identify opportunities for increased interagency collaboration and efficiencies. Such a system will potentially serve every USG employee and auxiliary employees, and will enhance the general public's experience through a better understanding of USG actions and intended outcomes.	FY20-10X-00927	152761	Closed	3/31/2020	4/15/2020	FY20	Yes	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Checklistomania	Phase One	Checklistomania is a web application currently used internally at 18F to help newly hired employees manage their onboarding tasks when they join the team. Based on inbound inquiries, TTS has reason to believe there might be value in offering this service to other agencies. This investigation will focus on whether or not making Checklistomania more widely available is a viable option for TTS.	FY17-INC-72174	409119	Closed	2/13/2017	2/24/2017	FY17	Yes	No		
Fraud and Risk Management	Phase One	TTS will investigate the opportunity to use machine learning to scan financial transactions and identify risky data points. TTS has heard the need for better use of machine learning in scanning transactions and other data for red flags, and additional research will help us understand federal needs and present usable findings.	FY17-INC-47805	387231	Closed	3/7/2017	3/17/2017	FY17	No	No		
10x Administration R1FY19	10x Admin	TTS will use the funding for administrative and development costs.			Closed	10/22/2018	9/30/2019	FY19				
10x Administration R2FY19	10x Admin	TTS will use the funding for administrative and development costs.			Closed	9/24/2019	6/1/2020	FY19				
10x Administration R1FY20	10x Admin	TTS will use the funding for administrative and development costs.			Closed			FY19				
TTS Incubator Administration	10x Admin	TTS will use the funding for administrative and development costs.			Closed	1/3/2017		FY17				
10x Administration	10x Admin	TTS will use the funding for administrative and development costs.			Closed	9/21/2017		FY17				
10x Administration R2FY18	10x Admin	TTS will use the funding for administrative and development costs.			Closed	5/1/2018	2/10/2019	FY18				
Improved Contract Inventory Reporting	Phase One	During October through January each year, GSA pulls a weekly government-wide contracting report, which is manually broken down to the agency, department, or office level and requires hundreds of thousands of service contractors to report on their contract inventory. This is an incredibly burdensome and ineffective process of manual data manipulation and emailing of spreadsheets. 10x will seek to apply smart automated tools to reduce the burden of notification and completing this reporting.	FY20-10X-37521	430285	Closed	3/31/2020	4/15/2020	FY20	Yes	No		Potential customers aren't yet able/willing to adopt solution

FedRAMP Funding Model	Phase One	TTS will explore creative alternative funding sources for the FedRAMP program. Proposals can identify funding sources, a new business model, or both. A well-articulated research proposal and the resulting guidance should be able to benefit not just FedRAMP but other OPP programs that face similar funding challenges.	FY17-INC-36373	441592	Closed	4/10/2017	5/1/2017	FY17	No	No		
Web Search Outreach	Phase One	TTS will develop programming libraries to improve citizens' eGov experience where it starts; with search engine results. We've received feedback that government online materials can be hard to find and hard to distinguish from non-authoritative sources. To solve this, TTS will investigate and compare schema.org implementations in a common language like Python and AI/type-based, such as Prolog or Haskell.	FY17-INC-53064	402698	Closed	4/10/2017	5/10/2017	FY17	No	No		
Notification Services	Phase One	TTS will investigate the opportunity to providing a common solution for government notifications to citizens via email, text message, and other contact methods. Many of the tools that TTS and other agencies build require a notification component, and this project will help TTS understand whether consolidating the ability to send notifications into a shared service available to all agencies would be effective.	FY17-INC-14522	362771	Closed	4/11/2017	5/11/2017	FY17	Yes	Yes		
plainlanguage.gov	Phase One	To explore what it would take to host <a href="http://www.plainlanguage.gov/">http://www.plainlanguage.gov/</a> , rearchitect the content, implement the U.S. Web Design Standards so the site is accessible and mobile-friendly, and create connections between this community of practice and other content people working in the federal space.	FY17-INC-73937	487637	Closed	5/8/2017	6/6/2017	FY17	Yes	Yes		
Federal Grantee Reporting	Phase One	This project is a discovery sprint to identify opportunities to improve the federal grant reporting process — by eliminating redundancies and creating efficiencies through improved technology — with the goal of generating a prototype that could be adapted across federal programs, thereby increasing federal grant programs' efficacy to those being served as well as taxpayers' return on investment.	FY17-INC-20843	108401	Closed	4/10/2017	6/29/2017	FY17	Yes	Yes		
Eligibility and Enrollment	Phase One	TTS will investigate how to best use technology to improve public access to government benefits. 18F has been involved with previous activity in this area, working with the United States Digital Service and others. This project will help 18F understand if it should continue this work and, if so, in what areas it should focus its efforts.	FY17-INC-79602	570302	Closed	5/1/2017	6/29/2017	FY17	Yes	Yes		
Project Boize (Compliance Toolkit)	Phase One	TTS will explore the opportunity to develop a set of tooling and products designed to support federal application compliance needs.	FY17-INC-23374	529658	Closed	5/22/2017	7/6/2017	FY17	Yes	Yes		
Cloud Marketplace (apps.gov 2.0)	Phase Two	TTS will provide agencies with the ability to seamlessly acquire software at a discount. TTS will also provide suppliers with a consolidated, simple way to sell their products to government.	FY17-OFF-83530	527677	Closed	6/5/2017	7/11/2017	FY17	Yes	Yes		
Team Integration System	Phase Two	The purpose of the Team Integration System is to create a system that will support the needs of government agencies who are trying to match, deploy, and manage hybrid cross-functional teams.	FY17-INC-80318	146780	Closed	5/22/2017	7/26/2017	FY17	Yes	No		
Behavioral Buying	Phase One	The current government contracting processes and procedures, as organized and divided into different parts of the FAR as well as additional agency supplemental policies, is designed without any empirical evidence. There is hardly any actual study by social scientists into these acquisition procedures and processes in order to determine what is the most beneficial not only to achieving the stated goals of these processes and procedures but what is the best way to increase competition, reduce costs, and maximize enjoyment of the process.	FY17-INC-46737	504048	Closed	4/26/2017	8/1/2017	FY17	No	No		
Generic Data Validation Platform	Phase One	TTS will explore creating a generic, customizable data upload platform that agencies can rapidly adapt for their own data collection needs. It will be based on 18F's work on the DATA Act platform prototype, which is used to submit data, validate it, and correct errors. Generalizing the existing DATA Act code into a well-documented, flexible starting point for similar efforts could magnify its impact across government.	FY17-INC-24415	790118	Closed	6/22/2017	8/9/2017	FY17	Yes	Merged	571404	
Automating the ATO Process	Phase One	TTS will focus on two distinct areas around automating ATOs. The first will be to research the landscape of what automation capabilities exist. The second will be to then determine which options agencies would actually use and/or need.	FY17-OFF-29667	436632	Closed	5/1/2017	9/15/2017	FY17	No	No		
Sharing ATOs Beyond Cloud Services	Phase One	TTS will focus on two distinct areas around sharing ATOs. The first will be to identify the types of ATOs that could be reused and rank them in terms of impact. The second will be to collect ATO's that match the top 3 most impactful and analyze how impactful and well done the ATOs are.	FY18-OFF-30873	468211	Closed	5/1/2017	9/15/2017	FY17	No	No		
Project Boize	Phase Two	TTS will explore the opportunity to develop a set of tooling and products designed to support federal application compliance needs.	FY17-INC-23374	529658	Closed	7/6/2017	9/15/2017	FY17	Yes	No		
CIO Council Artificial Intelligence Investigation Sprints	Phase One	AI / Machine Learning: TTS will identify potential services or automated processes for Agencies to better detect spear phishing attempts and avoid ransomware incidents. AI / Help Desk Automation: TTS will leverage AI for automated Help Desk applications, identify tools and methods for triaging service requests and inquiries, and explore the possibility of using AI to manage first level/first tier help desk tickets.	FY17-OFF-28489	126146	Closed	9/14/2017	9/30/2017	FY17	No	No		
Plainlanguage.gov 2.0 & Independent COP Support Pilot	Phase Two	TTS will audit, update, and re-architect the plainlanguage.gov website to ensure links work, navigation makes sense to users, and the most useful content is easily accessible.	FY17-INC-73937	487637	Closed	8/29/2017	11/15/2017	FY17	No	No		
U.S. Data Federation Website and Toolkit	Phase One	TTS will focus on making capital investments in reusable tooling and processes that will benefit future federated data efforts. TTS will also seek to clarify the federal government's role in these efforts moving forward.	FY16-GP2-74916	571404	Closed	11/6/2017	12/12/2017	FY16	Yes	Yes		
Improving Gov Findability: 301 Redirects	Phase One	TTS will investigate the feasibility of offering to other agencies an affordable, high-quality, hosted-301 redirects solution leveraging recent developments in cloud infrastructure. A possible extension of this investigation would be the feasibility of offering a gov-powered CDN solution.	FY17-INC-28137	559207	Closed	9/19/2017	1/19/2018	FY17	No	No		
Building Modern Contract Vehicles	Phase Two	For the past two years, TTS Acquisitions has leveraged the Agile Blanket Purchase agreement (Agile BPA) to find vendors that build software products for external agencies. The current vehicle is inflexible and unable to deliver strong user research capabilities. TTS will investigate what contract vehicles or structures support open, agile, and user-centered software development to meet the needs of federal partners and potentially set up an experiment to learn how a contract might meet those needs.	FY18-10X-98604	768787	Closed	9/17/2018	2/14/2018	FY18	No	No		
Cloud Marketplace	Phase Three	TTS will provide agencies with the ability to seamlessly acquire software at a discount. TTS will also provide suppliers with a consolidated, simple way to sell their products to government.	FY17-OFF-83530	527677	Closed	7/17/2017	3/1/2018	FY17	No	No		
Government-wide User Testing Program	Phase One	Bite-sized, iterative user testing can help government teams see and prove the value of incremental development in creating better digital services. TTS will explore developing a government-wide user testing program (free, paid, or some combination of the two) to help agencies build more effective federal digital services.	FY18-10X-19985	504214	Closed	3/12/2018	4/3/2018	FY18	Yes	Yes		
Qualitative Data Management	Phase One	Each month, approximately 9,000 surveys are submitted through USA.gov and Gobierno.USA.gov. About 2,000 of these include open-ended comments. With current resource limitations, it's challenging to take advantage of this qualitative data. TTS will explore implementing a semi-automated product and/or process, using topic extraction, word/phrase frequencies, or other applications of text analysis, to help quickly respond to user feedback.	FY18-10X-60628	102495	Closed	3/19/2018	4/4/2018	FY18	Yes	Yes		
Human-Centered Design of Shared Services	Phase One	According to GSA's Unified Shared Services Management Office, over 30 federal agencies are currently in the process of moving toward shared services. While 18F has helped several agencies incorporate human-centered design into the shared services they are developing, most agencies are unlikely to partner with 18F due to limited resources. TTS will explore opportunities to give broader access to the lessons that 18F has learned to help government agencies incorporate human-centered design into their shared service initiatives.	FY18-10X-17634	178231	Closed	3/5/2018	4/5/2018	FY18	Yes	Yes		
Federal Grantee Reporting	Phase Two	Identifying opportunities to improve the federal grant reporting process — by eliminating redundancies and creating efficiencies through improved technology — with the goal of generating a prototype that could be adapted across federal programs, thereby increasing federal grant programs' efficacy to those being served as well as taxpayers' return on investment. This project is aligned with OMB and GSA priorities regarding technology improvements to the Grantee Reporting environment.	FY17-INC-20843	108401	Closed	12/5/2017	4/16/2018	FY18	Yes	Yes		
Notifications as a Service	Phase Two	A shared notification services platform that federal agencies could use to coordinate and deliver public notifications through communication channels such as SMS and email, ranging from low-traffic two-factor authentication needs for government-facing services to extremely high volume applications for agencies that have frequent interactions with the public. The project is currently developing an internal prototype in order to demonstrate the viability of an internal approach to this service.	FY17-INC-14522	362771	Closed	11/16/2017	4/16/2018	FY18	Yes	No		TTS leadership does not see this as high-value work and/or this is not aligned with priorities
Eligibility Rules Service	Phase Two	TTS is funding an investigation of the value and feasibility of building an API-based eligibility rules web service for a non-Medicaid human services program, such as the Supplemental Nutrition Assistance Program (SNAP) or Temporary Assistance for Needy Families (TANF), to help federal human service agencies facilitate the adoption of multi-benefit eligibility determination. The project is currently in the process of selecting an agency partner with whom to develop the product prototype.	FY17-INC-79602	570302	Closed	12/20/2017	4/16/2018	FY18	Yes	Yes		
Open Source Translation Services	Phase One	60.6 million Americans are not fluent in English. Despite this, most federal web content is only available in English. Having content available in multiple languages will make the information we produce more accessible to the members of the public whose primary language is not English. This can be done with existing open source tools for delivering localized content such as Poole and gettext. TTS will investigate whether translation services could be shared as a GSA-sponsored service or as a reusable playbook.	FY18-10X-95620	117044	Closed	3/16/2018	4/19/2018	FY18	Yes	Yes		
Government-wide Individual Time Tracking And Reporting (GITRAR)	Phase One	TTS will explore the need across the federal government for a cloud-based time tracking and reporting tool. If this need is legitimate, TTS will determine the best approach to offering such a tool government-wide, including the question of whether it should be developed internally or bought externally.	FY18-10X-31201	182879	Closed	4/2/2018	4/19/2018	FY18	No	No		Low, no, or unclear demand for service
Government-wide Product Market Research	Phase One	TTS will perform initial discovery and explore prototyping of a market research resource as part of a larger repository for SaaS procurements offered by FAS. This project would be an addition to ongoing work at ITC to offer "self service plus" or similar market research services to the federal marketplace.	FY18-OFF-83032	527677	Closed	4/17/2018	5/11/2018	FY18	Yes	Yes		
Data Maturation Plan	Phase One	Many government agencies are attempting to move towards a smart data, machine learning, or AI-ready future by pursuing expensive, duplicative, and laborious projects to update their existing data management tools using front-end fixes and very expensive patching. This approach will cost a fortune in maintenance and does not allow them to truly take advantage of the opportunities made possible by modern technology architectures. TTS will investigate developing a set of best practices for data maturation across the government, including investigating what platform approaches could be used, in order to save money, speed up the process, embolden teams, and lead to better systems and services.	FY18-10X-79614	775350	Closed	4/23/2018	6/14/2018	FY18	Yes	Yes		
Improving Access to Government Housing Assistance	Phase One	The HUD Housing Program provides affordable rate rental housing to low-income families, the elderly, and persons with disabilities. USAGov surveys clearly show that qualifying individuals, many of whom have limited time and resources, face significant obstacles locating their options for eligible housing, and there is no easy way to find rental properties that qualify for government assistance. TTS will investigate what it would take to feed government housing data into existing commercial tools or to develop an equally user-friendly tool for the public to search for eligible properties, learn about waiting list times, and determine their eligibility.	FY18-10X-98188	816144	Closed	4/23/2018	6/14/2018	FY18	Yes	Yes		
Improving Compliance with the Paperwork Reduction Act	Phase One	Agencies often cite frustration with accessing and understanding the Office of Management and Budget's (OMB's) policies on the Paperwork Reduction Act (PRA), which are spread across numerous inaccessible PDFs rather than centralized on an easily accessible, easily updatable website. This situation has reduced compliance and created delays in the approval of information collection requests (ICRs) by OMB's Office of Information and Regulatory Affairs (OIRA), which is charged with overseeing federal compliance with the PRA. Through outreach to PRA desk officers and agency staff, and in consultation with OIRA, TTS will explore what it would take to develop centralized PRA guidance in an accessible, user-friendly online interface in order to improve the way agencies can understand, interact, and comply with current OMB policies.	FY18-10X-53204	988988	Closed	5/29/2018	6/14/2018	FY18	Yes	Yes		
U.S. Data Federation	Phase Two	TTS will focus on making capital investments in reusable tooling and processes that will benefit future federated data efforts. TTS will also seek to clarify the federal government's role in these efforts moving forward.	FY16-GP2-74916	571404	Closed	3/19/2018	6/27/2018	FY18	Yes	Yes		
Legacy Modernization Education Pilot	Phase One	Every year, the federal government matches billions of dollars in funding to state and local governments to maintain and modernize IT systems used to implement federal programs, like Medicaid, child welfare benefits, housing, and unemployment insurance. Efforts to modernize those legacy systems fail at an alarmingly high rate and at great cost to the federal budget, in part because the officials who are responsible for designing, funding, implementing, and overseeing these projects lack the technical knowledge needed to make good decisions. TTS will investigate ways to design and procure successful IT system improvements in order to save the government money and improve outcomes for the public.	FY18-10X-91389	235574	Closed	2/22/2018	7/2/2018	FY18	Yes	Yes		
Post Product Development Support	Phase One	At present, TTS Acquisitions has never structured a contract to ensure that the product is sustainably operated once our engagement has ended. TTS will explore how we can conduct low-risk experiments for moving from build to maintenance contracts in order to continue to work in an agile way throughout a product's life, and will investigate what kinds of contracts are needed to support the operation and maintenance (O&M) of products built by TTS and its partners.	FY18-10X-70151	120023	Closed	2/26/2018	7/18/2018	FY18	No	Merged	176623	There is not a clear problem or practical solution

Building Modern Software Contract Vehicles	Phase One	For the past two years, TTS Acquisitions has leveraged the Agile Blanket Purchase agreement (Agile BPA) to find vendors that build software products for external agencies. The current vehicle is inflexible and unable to deliver strong user research capabilities. TTS will investigate what contract vehicles or structures support open, agile, and user-centered software development to meet the needs of federal partners and potentially set up an experiment to learn how a contract might meet those needs.	FY18-10X-98604	768787	Closed	5/16/2018	7/23/2018	FY18	Yes	Yes		
Users First	Phase Two	Bite-sized, iterative user testing can help government teams see and prove the value of incremental development in creating better digital services. TTS will explore developing a government-wide user testing program (free, paid, or some combination of the two) to help agencies build more effective federal digital services.	FY18-10X-19985	504214	Closed	6/21/2018	9/5/2018	FY18	Yes	No		
Bridge to Ongoing Bug Bounty	Phase One	The current Bug Bounty pilot expires at the end of January. There is general agreement that work should continue; however, additional effort to turn this into an ongoing, sustainable program is needed. TTS will capture the lessons learned from the pilot, and will work towards developing a new procurement to support this as an ongoing program.	FY18-10X-15639	948893	Closed	3/2/2018	9/27/2018	FY18	No	No		The project has achieved its goals; no further 10x funding is necessary
Qualitative Data Management	Phase Two	Each month, approximately 9,000 surveys are submitted through USA.gov and Gobierno.USA.gov. About 2,000 of these include open-ended comments. With current resource limitations, it's challenging to take advantage of this qualitative data. TTS will explore implementing a semi-automated product and/or process, using topic extraction, word/phrase frequencies, or other applications of text analysis, to help quickly respond to user feedback.	FY18-10X-60628	102495	Closed	6/14/2018	10/3/2018	FY18	Yes	Yes		
Government-wide Product Market Research	Phase Two	TTS will perform initial discovery and explore prototyping of a market research resource as part of a larger repository for SaaS procurements offered by FAS. This project would be an addition to ongoing work at ITC to offer "self service plus" or similar market research services to the federal marketplace.	FY18-OFF-83032	527677	Closed	6/19/2018	11/6/2018	FY18	No	No		
Automating Continuous Compliance	Phase One	Agencies find that Continuous Monitoring is hard, expensive, inaccurate, and inextensible. Screenshots are the state of the art, and there are no public reference implementations for automatically generating compliance evidence for the US government even though there are technologies available to assess compliance. TTS will investigate the possibility of using existing solutions to validate ATO'd systems and explore ways to publish a reference implementation.	FY18-10X-53639	419889	Closed	9/19/2018	11/19/2018	FY19	Yes	No		
Examining Customer Experiences With Cloud Security	Phase One	TTS will explore using data from current FedRAMP Cloud Service Providers (CSPs) and TTS services to analyze trends in how they address security controls. This effort would explore what it would take to inventory information in existing System Security Plans (SSPs) and conduct data mining on various measures to establish a common understanding of current pain points and create a set of targeted improvements. This data will inform FedRAMP and TTS service owners about where common opportunities to improve security practices and guidance may be, as well as model behavior and provide examples for other agencies.	FY18-10X-86528	717068	Closed	9/19/2018	11/19/2018	FY19	Yes	No		
Modernizing Security Compliance Practices	Phase One	Security control requirements are complex and challenging, but existing public documentation does not provide substantial real examples of control implementations in System Security Plans (SSPs). This effort would seek to publish a full existing SSP to enable groups, such as NIST's Open Security Controls Assessment Language (OSCAL) and industry's OpenControl community, to test compliance automation tools and standards against a real example. This example SSP would demonstrate modern best practices (cloud-native, DevOps, agile, and open source) in a FedRAMP JAB Moderate system.  Not only would this effort help identify opportunities to improve security compliance tools and practices, it would also demonstrate useful control examples for cloud service providers and federal teams working on ATOs. We believe this could especially support small businesses pursuing FedRAMP Authorization and small business federal contractors who help write SSPs.	FY18-10X-31672	963014	Closed	9/19/2018	11/19/2018	FY19	Yes	No		
Antipattern Reporting	Phase One	An antipattern is defined as "a commonly occurring solution to a problem that generates decidedly negative consequences." Everyday, Americans regularly complain online about antipatterns on specific government websites, but there is no way for federal leaders to track which sites' technical and user experience flaws are causing the most frustration for the public. This project will explore the value of creating a form for the public to identify poor government web practices, along with a mechanism to escalate repeatedly submitted sites to agency CIOs and oversight staff.	FY18-10X-42984	530831	Closed	10/29/2018	12/13/2018	FY19	No	No		
Open Source Visualizations	Phase One	Consistency and communication in government could be improved by providing reliable access to well-built, practical, easy-to-use visual assets. TTS will explore what it would take to develop a limited set of open source visualizations (icons, patterns, or illustrations) that could be included with the U.S. Web Design Standards and Federalist, available for independent use by any government team or project.	FY18-10X-52673	576159	Closed	10/29/2018	12/13/2018	FY19	No	No		
Reusable Patterns for Data Visualization	Phase One	Successful government projects often rely on bespoke, sophisticated data visualization work. However, convincing agency partners to invest in this kind of work can be a challenge — especially when the alternative, publishing reports as PDFs, is relatively easy though significantly less useful. Inspired by the U.S. Web Design System, TTS will explore creating a library of common interaction patterns designed to make data visualization a cheaper, simpler, and more compelling choice for the federal government.	FY18-10X-57068	998256	Closed	10/29/2018	12/13/2018	FY19	Yes	Yes		
Improving Compliance with the PRA	Phase Two	There is an opportunity to further investigate developing resources, due to a substantial amount of uncertainty stemming from inconsistent determinations and processes specific to the PRA, as well as hard-to-find information that is often incomplete or inaccurate.	FY18-10X-53204	988988	Closed	9/11/2018	12/17/2018	FY18	Yes	Yes		
Accessibility for Deprecated Browsers	Phase One	OMB memo M-15-13 requires all publicly accessible federal websites and web services to only provide service through a secure connection (HTTPS). Recently, some federal agencies also deprecated support for the HTTPS protocol TLS 1.0, effectively blocking any internet device using Android 4.3 or IE10 (used in ~2.6 million government website visits in the last 90 days) from accessing government services like hurricane warnings. TTS will investigate the user base that is being denied service (which is likely minimally equipped to petition the government) in order to determine how best to communicate critical information about this user base to agencies as they consider the impact of blocking access to legacy browsing devices.	FY18-10X-30034	080345	Closed	11/8/2018	12/20/2018	FY19	No	No		
HTML Form Endpoint	Phase One	As an organization, TTS recommends the use of static websites but does not currently provide a way of collecting feedback from the public without the use of Google Forms or providing a direct email address and relying on the user to have a properly configured email client. Allowing customized HTML forms could increase usability and improve the public's experience with the government. TTS will investigate the opportunity to provide a shared service for processing HTML forms on government websites, particularly on static websites that do not have access to underlying backend technologies, such as Federalist.	FY18-10X-05576	251626	Closed	11/8/2018	12/20/2018	FY19	Yes	Yes		
Code2API	Phase One	There is a growing amount of code being generated across government, but much of this code is not Application Programming Interface (API) based. This project will investigate potential toolkits, methodologies, and approaches for facilitating the automatic generation of APIs from code (and sample simple apps) that allows for quick prototyping, deployment, and user feedback.	FY18-10X-47554	397516	Closed	11/8/2018	12/20/2018	FY19	No	No		
AI-Assisted Contracts	Phase One	This project will explore how artificial intelligence might assist government agency staff in the creation of requirements for generating specialized non-legal contract language, such as the technical requirements for deliverables in a statement of work, as well as automated mechanisms for complying with these requirements. Potential areas to explore include but are not limited to translating generalized ideas into formal language, inserting mandated language where appropriate, and flagging when a document warrants expert human review. Such AI generated language will not replace the need for OGC review when required by agency policy.	FY18-10X-99598	427858	Closed	11/19/2018	12/20/2018	FY19	Yes	No		
Sustainable APIs	Phase One	Application Programming Interfaces (APIs) have changed how government technology services are provided. However, programs that use APIs, and particularly those developed by federal agencies that are typically used by third parties, can break as new API versions are released. TTS will investigate approaches to facilitating the development of sustainable APIs across the federal government that are more resilient in the face of ongoing development.	FY18-10X-38201	758711	Closed	11/8/2018	12/20/2018	FY19	Yes	No		
Site Scanning	Phase One	TTS drives the adoption of digital best practices and policy, from mobile-friendliness to online privacy and security, but currently lacks comprehensive, timely data to measure our success at seeing these approaches adopted. TTS will explore the possibility of creating a scanning service that examines federal websites, then analyzes and presents actionable intelligence based on the presence of web trackers and customer feedback tools, USWDS adoption, and security best practices.	FY18-10X-50190	624490	Closed	11/28/2018	12/21/2018	FY19	Yes	Yes		
CodeKit	Phase One	Starting a new, small website in government is challenging. Platforms like Federalist make it easier to host and manage your site but don't currently offer teams the tools or workflow guidance needed to configure and compose templates to fit a team's mission. Existing research done by DigitalGov and the US Web Design System has identified an opportunity to build a "website composition kit" or layer that sits on top of Federalist and the U.S. Web Design System that could provide government teams with the means to easily create, edit and compose small, focused websites that are compliant and maintainable in the open. This project will explore the viability of building out this website composition kit.	FY18-10X-39263	415254	Closed	11/28/2018	2/4/2019	FY19	Yes	No		
Large File Management	Phase One	Agencies struggle to transfer and manage data files too large for email, especially when receiving large dataset uploads from non-federal partners. Some agencies courier thumb drives or hard drives to each other. TTS should investigate the feasibility of a common, compliant, and resilient service for large file management and transfer.	FY18-10X-25956	530192	Closed	11/28/2018	2/4/2019	FY19	Yes	No		
AI for Website Accessibility	Phase One	This project will explore the viability of leveraging artificial intelligence (AI) to scan government websites for accessibility issues in order to automate the creation of copies of non-compliant sites with the issues either resolved or flagged for human intervention.	FY18-10X-60543	513754	Closed	11/19/2018	2/7/2019	FY19	Yes	No		
Automated Monitoring for Security Logs	Phase One	In theory, compliance regimes require organizations to monitor security logs (authorization logs, etc). In practice, most groups do this rarely if at all because it's exceedingly rare to discover intrusions through manual log analysis because the sheer quantity of data involved is too great for manual review to be valuable. TTS will explore the opportunity to apply machine learning in order to analyze reams of data and automatically detect anomalies, looking into commercially available security products that claim to do this and available open-source tooling as well.	FY18-10X-91216	629517	Closed	11/19/2018	2/7/2019	FY19	No	No		
IT Innovation Program for Federal Executives	Phase One	This is a proposal to investigate and measure the value of an immersive, "hands-on" innovation program for federal technology executives to explore opportunities to reduce IT costs and in the building and acquisition of redundant technology systems. Building off from and amplifying existing initiatives such as innovation.gov, The Digital Acquisition Accelerator, the Department of Homeland Security's Silicon Valley Innovation Program, and code.gov, TTS will explore the value of experiential and culture-driven approaches toward innovation initiatives for executives, using proven methodologies from within all agencies and industry-leading techniques adopted by and currently applied within the private sector.	FY18-10X-15659	132372	Closed	11/28/2018	2/21/2019	FY19	No	No		
Reducing Duplication in Research Grants	Phase One	Scientific grants have been an indispensable source of innovation for decades. However, duplicative and overlapping grants are a serious issue that impedes scientific progress. TTS, in conjunction with subject matter experts from the National Science Foundation (NSF), will explore how technology could provide instantaneous notification to participating organizations about proposal information determined to be the most valuable for sharing across organizations. This could eventually allow for a continuous flow of updated information with respect to proposals, including a "proposal fingerprint," associated metadata, and record of changes in status of the proposal/grant in an organization's merit review systems.	FY18-10X-90839	757367	Closed	11/28/2018	2/25/2019	FY19	Yes	Yes		
Compliance Gap Analysis	Phase One	Cloud service vendors looking to do business with the government frequently complain to the Office of Management and Budget (OMB) and the Federal Chief Information Officer (CIO) that the FedRAMP approval process imposes additional compliance requirements on top of existing requirements like those mandated by the International Organization for Standardization (ISO) and the Health Insurance Portability and Accountability Act (HIPAA). TTS will conduct research to validate or invalidate this assertion with the goal of identifying any unique FedRAMP requirements that are beyond compliance frameworks such as ISO and HIPAA, as within the purview of the FedRAMP Program Management Office.	FY18-10X-29264	895107	Closed	11/28/2018	3/1/2019	FY19	Yes	No		
Trusted Tooling for IT Compliance	Phase One	TTS will explore collaboration with IT compliance officers and auditors across the federal government to identify what constitutes trusted tooling, what they need to learn to use new tooling effectively, and how institutional or cultural hurdles to adopting automated compliance can be removed.	FY18-10X-72935	884569	Closed	11/28/2018	3/4/2019	FY19	No	No		
Metrics for Design Best Practice Adoption	Phase One	Best practices for product design can come from anywhere, but government often focuses on the compliance or noncompliance of technology rather than the degree to which it effectively empowers the people doing the work. TTS will explore opportunities and structures for measuring and encouraging best practice adoption across government product teams.	N/A	121672	Closed	2/6/2019	3/15/2019	FY19	Yes	No		

IT Modernization Metrics	Phase One	While GSA hopes to disrupt agency paradigms with practices like moving to the cloud, opening up data, and adopting user-centered design, there are few well designed metrics/milestones to understand where the agencies are at on this path to modernization. Some of this information exists buried in different government reports, with some of this information remaining difficult to find. The goal of this project would be to understand the state of metrics on IT modernization, what some of these metrics might be, and to determine whether or not it would be useful to create a government-wide service to track these metrics, complementary to performance.gov and analytics.gov.	FY18-10X-46091	154759	Closed	2/6/2019	3/18/2019	FY19	Yes	No		
RPA (Robotic Process Automation) for ATOs	Phase One	The government lacks a comprehensive view across agencies on which portions of the Authority-to-Operate (ATO) process impose the greatest burden. Reading the documentation can be time consuming, and security practitioners often speak to the significant challenges that exist with current tools — for example, the requirements to copy and paste information across systems or manually enter data when it could be automated. TTS will investigate ways to streamline and accelerate the authorization processes at agencies and identify some standard practices to share.	FY18-10X-95443	622798	Closed	11/19/2018	3/19/2019	FY19	Yes	No		
Combating Bias in AI/ML Implementations	Phase One	Implementations of AI/ML often suffer from systematic bias created when algorithms are trained on insufficiently diverse datasets that don't match the variety of phenomena the system encounters in practice. This project will institutionalize corrective measures by critically reviewing the datasets used in *previously funded* projects for potential biasing mismatches.	FY18-10X-64685	777824	Closed	2/7/2019	3/20/2019	FY19	Yes	Yes		
CX Contract Vehicle	Phase One	Many agencies lack the expertise to reorient their current operations to be more customer-centric both on- and offline, relative to modern market expectations. TTS will explore the possibility of establishing a contract vehicle to assist federal agencies in procuring targeted customer experience (CX) services that could allow agencies to quickly find the support they need to properly fulfill their obligations both to administrative directives and to their customers.	FY18-10X-22966	967995	Closed	11/28/2018	4/1/2019	FY19	Yes	No		
Human-Centered Design for IT Centralization Efforts	Phase Two	According to GSA's Unified Shared Services Management Office, over 30 federal agencies are currently in the process of moving toward shared services. While 18F has helped several agencies incorporate human-centered design into the shared services they are developing, most agencies are unlikely to partner with 18F due to limited resources. TTS will explore opportunities to give broader access to the lessons that 18F has learned to help government agencies incorporate human-centered design into their shared service initiatives.	FY18-10X-17634	178231	Closed	2/11/2019	4/1/2019	FY18	No	No		
Canonical Federal Identifiers	Phase One	There are no canonical standards for how Federal programs and individual offices are identified. Between GSA, OMB, OPM, and Treasury there are at least a half a dozen competing unique identifier schemes to reference a government office, which makes combining multiple systems or datasets incredibly difficult. These multiple efforts are not only potentially duplicative but they introduce even greater inefficiency by generating incompatible data. The Data.gov team at TTS will explore the opportunity to establish canonical federal identifiers, as well as better governance and data stewardship among these agencies in order to coordinate and maintain this data. This project would research the viability of piloting a workflow to establish a repeatable process to maintain this data as a canonical authoritative source over time, as part of the work of the Data.gov platform.	FY18-10X-01293	006320	Closed	2/6/2019	4/4/2019	FY19	Yes	Yes		
Open Source Glossary Tools	Phase Two	60.6 million Americans are not fluent in English. Despite this, most Federal web content is only available in English. Having content available in multiple languages will make the information we produce more accessible to the members of the public whose primary language is not English. This can be done with existing open source tools for delivering localized content such as Poole and gettext. TTS will investigate whether translation services could be shared as a GSA-sponsored service or as a reusable playbook.	FY18-10X-95620	117044	Closed	10/20/2018	4/15/2019	FY18	Yes	No		
Analytics Dashboard Framework	Phase One	This project will explore whether it would be valuable to provide the Digital Analytics Program (DAP) team with improved tools, methodologies, and governmentwide support for data analytics and visualization dashboards that measure improvement in government performance. Just as the U.S. Web Design Style Guide packages reusable components for front-end web design, this framework would allow DAP to package reusable front and backend components supporting performance analytics dashboards. This could include generalizing the use of the data visualization libraries and the data aggregation/integration approaches employed by existing analytics dashboard projects such as DAP.	FY18-10X-17216	176623	Closed	2/6/2019	4/16/2019	FY19	Yes	Merged	998256	
Program Analytics Dashboard	Phase One	The Digital Analytics Program (DAP) has a desire to get DAP data out of Google Analytics, where it currently resides, and into a data warehouse. Placing DAP data within this data warehouse would potentially increase the ease and flexibility with which we could make use of this vast data set. This project will explore using a common tool as a place to house data for multiple cross-government OPP programs — DAP, Search.gov, Feedback Analytics, api.data.gov, data.gov, and challenge.gov — in order to have a single location from which to create both internal and public facing products and dashboards that could be shared with the rest of the government and the American public.	FY18-10X-77553	672439	Closed	2/6/2019	4/18/2019	FY19	No	No		
USWDS Visualization Tool	Phase One	Non-uniform and poorly designed displays of data in tables, charts, graphs, maps and diagrams increases cognitive load and the likelihood of misinterpretation of important facts and information. The issue is compounded when users have difficulties correctly interpreting common statistics or graphics. This project will investigate the value of creating a simple-to-use standard that will increase comprehension for users and provide easy-to-follow guidelines for publishers of government figures when communicating with different audiences. It will also explore the feasibility for the creation of a simple WYSIWYG tool for creating visualizations that can easily be cut and pasted into government reports, web pages and other forms.	FY18-10X-88516	834753	Closed	6/3/2019	6/27/2019	FY19	Yes	Yes		
IT Spending Landscape	Phase One	This project will seek to better understand the overall journey of IT spending in the Federal government. Using journey mapping or similar methodologies, this project will map out where technology services demand is coming from as it moves from Congress down to the Federal agencies and ultimately the customers served by organizations like TTS and the vendor ecosystem, in order to better understand potential points of opportunity along this path to improve the technology modernization process.	FY19-10X-23927	196658	Closed	6/6/2019	7/3/2019	FY19	No	No		
AI Data Standardization	Phase One	Despite new legislation such as the Foundations for Evidence-Based Policymaking Act encouraging federal agencies to publish data openly, there is a lack of direct guidance or standardization within government about the best approaches for releasing data effectively. This is particularly true for Artificial Intelligence (AI) data, where effective use requires a range of different standardized elements. Some of these include: iterative release of open data with user feedback, metrics, standardized open training sets and closed test sets, and other design criteria. TTS will: 1) investigate which types of guidance might be most helpful for ensuring that AI open data releases are well-coordinated, and 2) determine how this guidance might be integrated with existing platforms such as Data.gov.	FY19-10X-56318	391467	Closed	6/6/2019	7/3/2019	FY19	No	No		
Mail System Information Transfer	Phase One	There is an opportunity to reduce millions of dollars annually in costs to the federal government for postage, processing and storage costs, as well as improve data accuracy of information collection and transmission where physical mail is currently the only method available. TTS will investigate the opportunity to create digital processes to transfer information between citizens and the government to gain these cost saving and improved data accuracy while opening the door to opportunities to streamline the citizen experience and reduce time required to access services or confirm information.	FY19-10X-86671	623641	Closed	6/6/2019	7/3/2019	FY19	No	No		
Risk-based PII	Phase One	Government technology professionals will increasingly collect and interact with information from the public in their pursuit of user-centered service design. Working closely with the Federal Privacy Council, TTS will explore how the application of technology might help civil servants understand and mitigate the risks that aggregations of personally identifiable information pose to the privacy of members of the public.	FY19-10X-41126	481529	Closed	6/12/2019	7/9/2019	FY19	Yes	Yes		
Non-Traditional ID Management	Phase One	Many government services require you to have a mailing address and a government ID. Without these identity cards, vulnerable populations that would greatly benefit from these government services may not be able to access them without communicating through a social worker or intermediate entity. TTS will investigate how these individuals could establish their identity without traditional IDs.	FY19-10X-80847	733953	Closed	6/12/2019	7/9/2019	FY19	Yes	Yes		
USWDS Style Menu	Phase One	With the passing of IDEA, agencies will likely be turning to OPP and TTS for guidance on implementing the U.S. Web Design System (USWDS) in the near future. TTS will explore new features and guidance that help agencies easily meet their branding needs and bring their technology into compliance with the new legislation.	FY19-10X-36820	467267	Closed	6/4/2019	7/11/2019	FY19	Yes	Yes		
USWDS Consulting for 21st Century IDEA	Phase One	New websites and digital services will need to comply with IDEA by being "in compliance with the website standards of the Technology Transformation Services of the General Services Administration." While we have a USWDS, many federal agencies do not know how to use it or how to get started. TTS will explore adding a USWDS consulting service to support government-wide compliance with these standards, to help agencies get started with USWDS, and to develop a roadmap for compliance with IDEA requirements (in consultation with the Office of General Counsel when necessary).	FY19-10X-78296	702467	Closed	6/4/2019	7/11/2019	FY19	No	No		
Digital Form Experience Pack	Phase One	The 21st Century Integrated Digital Experience Act (IDEA) requires that agencies provide digital versions of their forms within the next two years and also promotes the use of the US Web Design System (USWDS) to achieve this goal. This project will explore the opportunity to develop clear, easy-to-understand guidance for agencies navigating this process that delivers in depth explanation and examples about how to write, design, build, and test digital forms as a part of the USWDS.	FY19-10X-60689	939480	Closed	6/4/2019	7/11/2019	FY19	Yes	Yes		
Capturing Public Voices	Phase One	The public has a great deal to say about government services, but many of these conversations are not captured in depth or complexity (or at all) by PRA & OMB-approved surveys. Also, reliably and meaningfully analyzing human conversation — which is inherently noisy — captured outside of structured questionnaires and surveys is notoriously difficult problem in natural language processing. The goal of this project is to devise a system of cross-channel analytics media including local talk radio, forums, news articles, social media, and Senate testimony, to help uncover actionable insights that are lost in high-level broad analysis, and to extract meaning from "local" conversations to help identify high-priority pain points in government services and opportunities for improvement.	FY18-10X-40863	137285	Closed	5/27/2019	7/24/2019	FY19	Yes	Yes		
Eligibility Rules Service	Phase Three	TTS is funding an investigation of the value and feasibility of building an API-based eligibility rules web service for a non-Medicaid human services program, such as the Supplemental Nutrition Assistance Program (SNAP) or Temporary Assistance for Needy Families (TANF), to help federal human service agencies facilitate the adoption of multi-benefit eligibility determination.	FY17-INC-79602	570302	Closed	5/21/2018	8/15/2019	FY18	Yes	Yes		
Canonical Federal Identifiers	Phase Two	There are no canonical standards for how Federal programs and individual offices are identified. Between GSA, OMB, OPM, and Treasury there are at least a half a dozen competing unique identifier schemes to reference a government office, which makes combining multiple systems or datasets incredibly difficult. These multiple efforts are not only potentially duplicative but they introduce even greater inefficiency by generating incompatible data. The Data.gov team at TTS will explore the opportunity to establish canonical federal identifiers, as well as better governance and data stewardship among these agencies in order to coordinate and maintain this data. This project would research the viability of piloting a workflow to establish a repeatable process to maintain this data as a canonical authoritative source over time, as part of the work of the Data.gov platform.	FY18-10X-01293	006320	Closed	7/2/2019	8/15/2019	FY19	No	No		
Improving Compliance with the PRA	Phase Three	There is an opportunity to further investigate developing resources, due to a substantial amount of uncertainty stemming from inconsistent determinations and processes specific to the PRA, as well as hard-to-find information that is often incomplete or inaccurate.	FY18-10X-53204	988988	Closed	2/7/2019	9/1/2019	FY19	No	No		
Standards for AI Implementation	Phase One	While artificial intelligence is an exciting technology, concerns about transparency, privacy, and bias have sprung up recognizing that these systems are only as unbiased or transparent as we make them. The government is considering implementing AI in various pilots, and we should evaluate what standards these technologies should be held to before we acquire them. The proposed work would identify areas where AI is actively being implemented and better understand consumer concerns with respect to interacting with AI (algorithms which deliver judgements, chatbots which represent themselves as people) in order to better design standards and manage acquisitions.	FY18-10X-21307	302981	Closed	8/26/2019	9/30/2019	FY19	Yes	No		
Dependency Upgrades	Phase One	Without timely action, software dependencies and vulnerabilities can lead to major data breaches. Currently, many software applications either rely upon a manual process for updating, or require individual set-up of automation for code repositories. TTS will investigate whether new or existing tools can conduct automated scanning of software dependencies across government open source repositories, and whether there is the potential for a centralized security scanning service offering.	FY19-10X-98153	544166	Closed	8/26/2019	9/30/2019	FY19	Yes	Yes		

Machine Learning for Customer Insight	Phase One	Currently, help desks across the government take thousands of phone calls per day, in most of which a user is attempting to solve a problem. This represents a vast trove of information that could help guide agency decisions, both from technological and policy related perspectives. By applying automated transcription and allowing machine learning algorithms to monitor these data feeds, systems and processes could be developed. These systems and processes could help government workers better understand what these users are trying to do, and use that information as a transparent and core component of agency decision making.	FY18-10X-57223	679612	Closed	8/26/2019	9/30/2019	FY19	Yes	No		
U.S. Data Federation	Phase Three	TTS is funding this project because federated data efforts are increasingly seen as an engine for transparency, economic growth, and accountability, yet collecting that data remains a challenge. Despite the fact that efforts of this sort are increasing in frequency, agencies often have to build new efforts from scratch. Investment in reusable tools and approaches will streamline federated data efforts in the years to come.	FY16-GP2-74916	571404	Closed	11/13/2018	9/30/2019	FY18	Yes	Yes		
AI in Civil Service	Phase Two	While there has been many anecdotal reports of the jobs most likely to be automated machine learning and artificial intelligence, there has yet to be a significant attempt to assess which Federal/Federal contractor jobs are most likely to be fully-automated or significantly-impacted over the next 5-10 years. The government is historically slow to respond to change, so forecasting now is sensible. The goal of this work to better understand which jobs are most likely to be impacted, at what timeline, and go beyond the anecdotal (and a few consulting firm reports) to describe where this automation is occurring and the roadmap (and barriers, e.g., unstructured data, selling times) for those projects.	FY18-10X-20535	977406	Closed	4/22/2019	9/30/2019	FY19	No	No		
Legacy Education Pilot	Phase Two	Every year, the federal government matches billions of dollars in funding to state and local governments to maintain and modernize IT systems used to implement federal programs, like Medicaid, child welfare benefits, housing, and unemployment insurance. Efforts to modernize those legacy systems fail at an alarmingly high rate and at great cost to the federal budget, in part because the officials who are responsible for designing, funding, implementing, and overseeing these projects lack the technical knowledge needed to make good decisions. TTS will investigate ways to design and procure successful IT system improvements in order to save the government money and improve outcomes for the public.	FY18-10X-91389	235574	Closed	9/7/2018	10/17/2019	FY18	Yes	Yes		
Mitigating Risk in Federal IT Investments	Phase One	Federal budgeting and oversight processes often utilize waterfall software development, a methodology that can result in a high level of budgetary risk. Building off of research conducted on state investment processes, TTS will investigate how to provide best practices and recommendations to federal agencies to encourage them to use agile-friendly budgeting approaches.	FY19-10X-41057	062749	Closed	10/7/2019	10/30/2019	FY19	No	Merged	235574	This project is being merged into another 10x project
Contract Performance Analysis Vehicle	Phase One	Currently, the federal government uses two systems (CPARS and PPIRS) to document and analyze the past performance of firms that bid on government contracts. Many users of these systems find them cumbersome to use and less than helpful in awarding contracts, and vendors are sometimes unsatisfied by these systems as well. Meanwhile, online marketplaces like eBay, Etsy and Uber use simple, streamlined reputation and feedback systems to support millions of transactions. This project will explore if a similar reputational system could help GSA and other federal agencies make smarter buying decisions that make contracting officials and vendors more satisfied.	FY18-10X-90376	067493	Closed	10/3/2019	10/30/2019	FY19	No	No		Potential customers aren't yet able/willing to adopt solution
Contracting Risk Assessment Tool	Phase One	Risk mitigation is an important aspect of the federal contracting process. TTS will explore the feasibility of deploying predictive analytics to provide federal Contracting Officers with the ability to compare the relative risk levels of bidder. Prediction models could use data from GSA's FPDS system to assess each vendor's level of organizational stress or financial volatility.	FY19-10X-70983	533423	Closed	10/7/2019	10/30/2019	FY19	No	No		Potential customers aren't yet able/willing to adopt solution
Site Scanning	Phase Two	TTS drives the adoption of digital best practices and policy, from mobile-friendliness to online privacy and security, but currently lacks comprehensive, timely data to measure our success at seeing these approaches adopted. TTS will explore the possibility of creating a scanning service that examines federal websites, then analyzes and presents actionable intelligence based on the presence of web trackers and customer feedback tools, USWDS adoption, and security best practices.	FY18-10X-50190	624490	Closed	6/17/2019	11/22/2019	FY19	Yes	Yes		
Non-Traditional ID Management	Phase Two	Many government services require you to have a mailing address and a government ID. Without these identity cards, vulnerable populations that would greatly benefit from these government services may not be able to access them without communicating through a social worker or intermediary entity. TTS will investigate how these individuals could establish their identity without traditional IDs.	FY19-10X-80847	733953	Closed	8/28/2019	11/22/2019	FY19	No	No		Regulatory or legal hurdles present a significant barrier to project success
Journey Mapping the Citizen Experience	Phase One	To date, much of the work undertaken by the federal government relating to citizen-facing services engages with questions on the micro-transaction level (filling out a form), rather than the overarching goal (getting a service). Agencies are silo-ed by business processes, rather than organized around needs. Data and forms needed to complete a citizen's journey, such as completing government paperwork around education loans, are similarly siloed. TTS will investigate assembling a goal-level journey for a citizen (e.g., housing, health, justice) and how would one start (e.g., assembling existing reports, connecting with USDS, CTOs, etc.).	FY19-10X-93169	553052	Closed	11/6/2019	12/5/2019	FY19	No	No		There is not a clear problem or practical solution
Synthesizing Public Comments	Phase One	It takes enormous amounts of staff time, resources, and taxpayer dollars to manually analyze written public comments submitted to agencies through various committees and many other channels. TTS should explore if Natural Language Processing and Artificial Intelligence can semi-automate, streamline, and expedite the public comment process, and whether any additional policy or guidance might be required to create a standard approach.	FY19-10X-18771	820767	Closed	11/6/2019	12/12/2019	FY19	Yes	Yes		
Risk-based PII	Phase Two	Government technology professionals will increasingly collect and interact with information from the public in their pursuit of user-centered service design. Working closely with the Federal Privacy Council, TTS will explore how the application of technology might help civil servants understand and mitigate the risks that aggregations of personally identifiable information pose to the privacy of members of the public.	FY19-10X-41126	481529	Closed	10/8/2019	1/2/2020	FY19	Yes	Yes		
Benefit Application Aggregator	Phase One	During a disaster, families often qualify for multiple emergency benefits, such as emergency SNAP or Medicaid, but often must travel to different offices to apply for those benefits. TTS should investigate and test a cloud-based or other technology solution that takes initial disaster assistance application information and automatically verifies income, and then uses the initial application data to pre-fill and submit application forms for SNAP, Medicaid, Free and Reduced Price Lunch, etc. This could provide families much-needed immediate assistance, potentially shortening their time to recovery.	FY19-10X-38374	088526	Closed	12/2/2019	1/7/2020	FY19	No	No		Potential customers aren't yet able/willing to adopt solution
PII Minimizer	Phase One	Personally Identifiable Information (PII) exposure is a tremendous risk to the government and the public that many federal IT systems currently experience, with concerns that a breach could lead to potential identity theft. There is an existing prototype that eliminates the storage of the SSN, EIN, and TIN from network systems and applications by providing each with a unique alternate identifier to use instead of these PII elements as primary identifiers within networks. TTS will investigate this prototype to see if this can serve as a model for best practices around collecting and using PII in government.	FY19-10X-68565	494580	Closed	11/6/2019	1/7/2020	FY19	Yes	No		Low, no, or unclear demand for service
Market Research Scraper	Phase One	Today, searching Schedule 70 for key terms is extremely difficult and looking through the 4,600 vendors available is not feasible. This project would explore whether TTS should build upon an existing prototype to make a GSA Schedule 70 web scraper available as a market research tool to agencies, which would make it easier for agencies to find businesses to send their request for proposals to, by allowing them to search via keywords.	FY19-10X-40783	180541	Closed	11/25/2019	1/17/2020	FY19	Yes	Merged	235574	This project is being merged into another 10x project
I&V for Agile Development Contracts	Phase One	In training up agile vendors, TTS often spends time reviewing code to ensure good coding practices. In traditional contracts, a more adversarial view of functionality is conducted through an Independent Validation & Verification (I&V) process. This project seeks to explore how TTS can leverage the traditional I&V process for user-centered, agile development contracting.	FY19-10X-55124	651021	Closed	11/25/2019	1/17/2020	FY19	No	No		There is not a clear problem or practical solution
USWDS Privacy One-Stop Shop	Phase One	Assessing an information system's privacy risk can be a daunting task, because people often do not know where to begin. Privacy offices have attempted to address this problem by creating standardized templates (for privacy assessments and other required documentation); however, they usually keep these standardized templates in a separate place from completed privacy documents (which agencies must publish to comply with laws such as the E-Government Act of 2002). This causes internal confusion, as well as a loss of public trust. TTS will explore, in collaboration with the USWDS team, the idea of a "privacy button," a one-stop shop for Federal privacy offices to combine templates and example PTAs/PIAs in single linked on-line environment, making the process of preparing and publishing PIAs more standardized and efficient.	FY19-10X-45068	655572	Closed	12/12/2019	1/22/2020	FY19	No	No		There is not a clear problem or practical solution
Expanding USWDS to Promote Agency Adoption	Phase Two	With the passing of IDEA, agencies will likely be turning to OPP and TTS for guidance on implementing the U.S. Web Design System (USWDS) in the near future. TTS will explore new features and guidance that help agencies easily meet their branding needs and bring their technology into compliance with the new legislation.	FY19-10X-36820	467267	Closed	11/25/2019	1/27/2020	FY19	No	No		The project has achieved its goals; no further 10x funding is necessary
Public-Centered Privacy Guidance	Phase One	The current government approach to privacy tends to be more government-centric than citizen-centric. Through outreach, and in coordination with the Federal Privacy Council, TTS will explore opportunities to help the public get a better, holistic view of how the federal government respects and protects their privacy.	FY19-10X-60171	836060	Closed	12/12/2019	1/29/2020	FY19	No	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Risk Management for Open Science and Data	Phase One	Federal open science and open data communities have matured to the point where, today, they face a shared challenge: how federal agencies should identify and manage risks to responsibly share data/information in order to optimize expected benefits vs. expected risks. Uncertainty on this topic has reduced agency compliance, created delays, and bottlenecked the responsible release of data and scientific information. TTS will investigate the development of a centralized Data Risk Management Toolbox with guidance for rigorous, analytical risk identification and mitigation using open-source digital tools, identified best practices, and a user-friendly online interface with developer documentation and guidance to responsibly unlock data as a strategic asset.	FY19-10X-44893	404124	Closed	12/2/2019	1/30/2020	FY19	Yes	Yes		
Data User Agreement Generator	Phase One	Sharing data between or within agencies can involve a cumbersome and lengthy process of drafting and approving mutually satisfactory and legally appropriate data use agreements (DUAs). TTS will investigate developing a tool that includes a library of vetted clauses tagged by provision (such as type of data, legislative authorities, conditions of consent, purpose of request, and other governance aspects), and a rule-based drafting module that could potentially stitch together a complete document. Federal data stewards and requestors could be able to build DUAs that satisfy each party's programmatic and legal needs.	FY19-10X-54339	823093	Closed	12/6/2019	1/31/2020	FY19	Yes	Yes		
Digital Form Experience Pack	Phase Two	The 21st Century Integrated Digital Experience Act (IDEA) requires that agencies provide digital versions of their forms within the next two years and also promotes the use of the US Web Design System (USWDS) to achieve this goal. This project will explore the opportunity to develop clear, easy-to-understand guidance for agencies navigating this process that delivers in depth explanation and examples about how to write, design, build, and test digital forms as a part of the USWDS.	FY19-10X-60689	939480	Closed	10/21/2019	1/31/2020	FY19	Yes	Yes		
Improved Government Survey Data Collection	Phase One	The pace of both technology transformation and the public's expectation for real-time data are increasing. Government surveying methods have not kept up with these changes. TTS—drawing on the USAgov team's experience in the field of government surveys—will explore how the government might provide valuable data in real-time back to survey respondents and use adjacent information to enhance the quality of survey instruments.	FY19-10X-43344	113640	Closed	11/20/2019	2/13/2020	FY19	Yes	Yes		
User-Centered Data Specifications	Phase One	A problem with data specifications in government is that they are often created by people who will not be using them. Creating a data specification is a complex challenge, and practitioners do it differently every time. The results vary widely with regard to collaboration, user-centeredness, and potential redundancy (bad) or interoperability (good) with other existing specifications. TTS will investigate establishing a repeatable, user-centered approach to creating new data specifications. If successful, practitioners would be able to create specifications more efficiently, more effectively, and more collaboratively, which would save them time they could reapply towards their project work, and, overall, would lead to better standards and less unnecessary specification deviation.	FY19-10X-64570	144607	Closed	12/30/2019	2/18/2020	FY19	No	No		Project team didn't coordinate closely enough with necessary stakeholders
HTML Form Endpoint	Phase Two	As an organization, TTS recommends the use of static websites but does not currently provide a way of collecting feedback from the public without the use of Google Forms or providing a direct email address and relying on the user to have a properly configured email client. Allowing customized HTML forms could increase usability and improve the public's experience with the government. TTS will investigate the opportunity to provide a shared service for processing HTML forms on government websites, particularly on static websites that do not have access to underlying backend technologies, such as Federalist.	FY18-10X-05576	251626	Closed	9/10/2019	2/18/2020	FY19	No	No		Low, no, or unclear demand for service
Government Notification Services	Phase One	The US has an opportunity to better leverage notifications to help the public get status updates on government programs and services. Learning from recent government efforts in the UK and Australia, TTS will investigate the feasibility of a notifications platform for government services.	FY19-10X-85009	921393	Closed	12/30/2019	2/19/2020	FY19	Yes	Yes		

Digital Health Market Accelerator	Phase One	Digital health technologies offer data-driven approaches toward solving widespread health concerns that are deeply impacting the health and well-being of Americans. Currently, many agencies work in data silos, which hampers efforts for cross-agency data collaboration. These agencies might benefit from centralized services and data infrastructure that can validate digital health solutions. TTS will investigate developing a process to speed the path to market of digital health technologies through clearance at FDA.	FY19-10X-30202	851154	Closed	12/29/2019	2/25/2020	FY19	Yes	No		There is not a clear problem or practical solution
Scam Reporting Follow-Up	Phase One	When people call the USAgov call center to report a scam, they are provided the phone number of the agency with which to file the actual complaint. Existing data shows that there's a drop off point when members of the public choose not to continue with the scam reporting process. TTS will explore whether or not there's an opportunity to follow-up with people in order to continue the reporting process or potentially automate that process altogether. This could result in a simpler and more effective scam reporting process that would benefit both the public and federal agencies.	FY18-10X-02870	251262	Closed	1/31/2020	3/2/2020	FY19	No	No		There is not a clear problem or practical solution
Federal Grantee Reporting	Phase Three	Identifying opportunities to improve the federal grant reporting process — by eliminating redundancies and creating efficiencies through improved technology — with the goal of generating a prototype that could be adapted across federal programs, thereby increasing federal grant programs' efficacy to those being served as well as taxpayers' return on investment. This project is aligned with OMB and GSA priorities regarding technology improvements to the Grantee Reporting environment.	FY17-INC-20843	108401	Closed	10/11/2018	3/5/2020	FY18	No	No		Project team didn't coordinate closely enough with necessary stakeholders
Making Accessibility Guidelines Accessible	Phase One	Existing web accessibility guidelines, such as WCAG 2.0 AA, can be difficult for a non-technical audience to understand. Consequently, it can be difficult for government web managers to comply with the accessibility standards outlined in Section 508. TTS will investigate the feasibility of a self-assessment tool that provides an easier-to-understand view of web accessibility.	FY19-10X-93542	425826	Closed	12/30/2019	3/13/2020	FY19	No	No		Potential customers aren't yet able/willing to adopt solution
Reducing Duplication in Research Grants	Phase Two	Scientific grants have been an indispensable source of innovation for decades. However, duplicative and overlapping grants are a serious issue that impedes scientific progress. TTS, in conjunction with subject matter experts from the National Science Foundation (NSF), will explore how technology could provide instantaneous notification to participating organizations about proposal information determined to be the most valuable for sharing across organizations. This could eventually allow for a continuous flow of updated information with respect to proposals, including a "proposal fingerprint," associated metadata, and record of changes in status of the proposal/grant in an organization's merit review systems.	FY18-10X-90839	757367	Closed	6/19/2019	3/13/2020	FY19	No	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Surfacing User Research	Phase One	TTS produces valuable, effort-intensive discovery reports that help agencies better connect with their customers and understand user needs. Other federal agencies, and the public at large, might benefit from the findings of these reports. TTS will investigate how best to make these discovery reports more easily searchable/accessible by agencies that would get further value in revisiting these common issues, and the public, which often finds government research inaccessible and difficult to digest.	FY19-10X-78569	429581	Closed	2/17/2020	3/24/2020	FY19	No	No		Potential customers don't see the problem as urgent or disagree that the problem exists
Open Source Prize Platforms	Phase One	Prize competitions are a fantastic way for agencies to work with small, innovative companies that don't otherwise work with government. Current options in this space have drawbacks and are not as user-friendly as they could be. TTS will investigate the possibility of developing an open-source platform for challenges and prizes that any agency could use.	FY19-10X-84104	999854	Closed	2/10/2020	3/30/2020	FY19	No	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Digital Experience Guide	Phase One	Agencies seeking to implement the 21st Century Integrated Digital Experience Act (IDEA) could benefit from a practical guide to the legislation that breaks down each requirement in the law, and offers step-by-step implementation guidance and recommendations. TTS will investigate what guidance might be helpful to provide to agency partners, and how that guidance might be presented in an easy-to-understand manner.	FY19-10X-72916	135040	Closed	12/12/2019	4/8/2020	FY19	Yes	Yes		
Automatic Transcriptions	Phase One	The government often requires note-taking services for research, interviews, and other purposes; however, using professional note-takers has its drawbacks. To help alleviate the note-taking burden for agencies, TTS will investigate the feasibility of automatic transcriptions for government note-taking, potentially leveraging existing software or APIs.	FY19-10X-25505	664029	Closed	2/7/2020	4/9/2020	FY19	No	No		There is not a clear problem or practical solution
Indexing ICRs	Phase One	Citizens are often frustrated with the multitude of government forms across government. USA.gov site and its contact center spend a tremendous amount of time helping citizens find the right form and fill them out correctly. Congress and the President have now required agencies to review their online presence and digital forms through the 21st Century Idea Act, but no one quite knows how large the problem space of numerous inaccessible PDFs is across government. OMB provides a site that indexes all information Collection Requests (ICRs) approved under the PRA, but the site is not user friendly and lacks automated APIs for broader research and analysis. Through outreach to OIRA at OMB, TTS will explore what it would take to create a centralized machine-readable site of all the government's PDFs indexed by RegInfo, and use those features - combined with other TTS projects such as site-scanning capability and USA.gov data to build a broader understanding on how government service can transform to better meet the needs of the public.	FY19-10X-85956	407421	Closed	1/10/2019	4/10/2020	FY19	No	No		Regulatory or legal hurdles present a significant barrier to project success
Digital Registry 2.0	Phase One	The 21st Century IDEA requires agencies to inventory, review, and report on the extent of the agency's digital services. Every agency has a need to catalog and maintain an up-to-date inventory of its digital footprint. As of now, there is no standardized tool or methodology for doing this. The US Digital Registry is an established GSA program that enables agencies to inventory their social media presence and mobile app presence. TTS will explore expanding the system to cover the other major aspects of an agency's digital properties: domains, websites, podcasts, smart speaker apps, and newsletters - providing a shared service to all agencies for this need.	FY19-10X-83632	591142	Closed	2/11/2020	4/14/2020	FY19	Yes	No		TTS can't staff this in perpetuity
Data Fixer	Phase One	Data practitioners are often faced with incorrectly-formatted data for fields that have known formats, such as zip code or social security number. TTS will explore using machine learning to extend the Data Federation's ReVAL tool (or to create a new tool) capable of not only validating data, but proposing fixes when such formatting errors are identified, which could result in much quicker data repair, saving time and effort for practitioners.	FY19-10X-43462	200302	Closed	12/12/2019	4/15/2020	FY19	Yes	Yes		
Shared Components for Human Services	Phase One	Despite sharing the same mission and core business functions, each state maintains their own software systems to run critical federally-funded benefits programs. Due to states' limited resources and technical capacity, many of these systems are in varying states of disrepair, which negatively impacts individuals who rely on these programs. Because these state systems are up to 90% federally funded, we believe federal agencies could significantly reduce the burden on the federal budget and improve program outcomes for Americans by selectively building and hosting discrete, user-focused components with baked-in best practices, to be offered as a service to states.	FY20-10X-78474	683111	Closed	3/25/2020	4/23/2020	FY20	Yes	Yes		
AI Experience Sharing Platform	Phase One	Research indicates that federal Artificial Intelligence (AI) projects exist in various states of maturity across multiple agencies and that there are opportunities to identify common problem sets and clustered AI applications. 10x will investigate the creation of a shared platform to collect, curate, and share AI use cases and learnings from federal agencies to help inform leaders, connect practitioners, and share best practices throughout the AI community.	FY20-10X-04385	748316	Closed	3/17/2020	4/24/2020	FY20	Yes	Yes		
Technology Services Catalog	Phase One	GSA's technology services are not currently tracked and managed in a way that facilitates easy discovery for GSA staff and potential agency customers. TTS will investigate a searchable catalog of GSA and TTS technology services that makes it easier to find and use relevant services.	FY19-10X-42193	655577	Closed	2/10/2020	4/16/2020	FY19	No	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
The Sunset Vault	Phase One	With changes in funding or project needs, government websites often get shut down without a good digital archival plan. This may lead to program offices scrambling to figure out how to archive and shut down websites in ways that mean the public loses easy access to data. TTS will explore building guidelines and inexpensive tools for preserving government websites in a way that is transparent and publicly accessible after sites are sunsetted. In addition, TTS will provide guidance on how to build and govern websites in a way that are more easy to archive and sunset so their information is still accessible to the public.	FY18-10X-55280	678516	Closed	1/31/2020	4/19/2020	FY19	No	No		Potential customers don't see the problem as urgent or disagree that the problem exists
Secure Eligibility Validation	Phase One	Government benefits agencies need eligibility verification from other agencies (for example, IRS for validating gross income) to establish whether a person or entity is eligible for a government program or funding, which is still done with paper forms and "wet-ink" signed requests. In order to improve the efficiency of these programs and the outcomes they deliver to the public, 10x will explore using technology to implement a standard way to communicate the eligibility requests between agencies.	FY20-10X-44949	500656	Closed	4/1/2020	4/28/2020	FY20	Yes	Yes		
Household Data Modeling	Phase One	Helping families address their needs in holistic ways can make the difference between families receiving the food, housing, and healthcare assistance they need. Despite this, benefits programs treat households in different ways, which makes comparing data and cost allocation across programs difficult and prone to errors. The waiver of OMB A-87 reduced this burden and encouraged states to develop holistic experiences for families, but it expired in 2019. 10x will investigate possible solutions, such as a streamlined allocation tool or a federal-wide household data model, to improve outcomes for the public by reducing the amount of overhead for states and federal agencies, providing a holistic view of households, and enabling families to better access the services they need.	FY20-10X-89708	597389	Closed	3/25/2020	4/29/2020	FY20	Yes	Yes		
Reducing Recertification Burden and Cost	Phase One	Most federal programs require beneficiaries to frequently verify their continued eligibility. The recertification process creates a burden for agencies and eligible beneficiaries, especially when applicants fail to complete all necessary steps and must start a new application. By leveraging administrative data (including beneficiaries' prior applications), 10x will explore the feasibility of streamlining recertification and rigorously test whether this strategy reduces beneficiary burden and government costs.	FY19-10X-16155	144466	Closed	4/1/2020	4/30/2020	FY20	No	No		Another 10x project is working on this
Broadening Conservation Connections	Phase One	Community engagement for public land management agencies is isolated and focused narrowly on projects associated with arbitrary boundaries, which do not provide accurate information of community support for agency actions. 10x will investigate how to integrate digital and in-person customer interface data from existing websites (such as recreation.gov and the NEPA commenting process) to communicate information to a broader range of people, who have a history of public land use, resulting in increased engagement and better information for frequent users of public lands.	FY20-10X-38164	046554	Closed	3/27/2020	5/4/2020	FY20	Yes	No		There is not a clear problem or practical solution
Verifying Cross-Sector Transactions	Phase One	The federal government collects and maintains a large amount of data about private citizens, much of which is useful and necessary for transactions both in the public sphere and the private sector such as applying for a government benefit, a loan, or a new job. Using this data today requires transactions that are frequently onerous, expensive, and paper-based. TTS will explore how technology could give citizens more control over their data while also making it easier to share and verify transactions with both public-sector agencies and private-sector companies.	FY18-10X-26520	597094	Closed	3/2/2020	4/30/2020	FY19	No	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Federal Data Maturity Model	Phase One	The Federal Data Strategy highlights the need for agencies to use data maturity models in self-assessments; however, most available data maturity models are either outdated, proprietary, or both. 10x will investigate a framework for satisfying the action steps in the federal data strategy that does not depend on contracting or licensing a proprietary assessment model.	FY20-10X-07097	683245	Closed	3/27/2020	5/4/2020	FY20	Yes	No		Potential benefits are not sufficient enough to justify further investment
Improved Vendor Performance Evaluations	Phase One	Existing vendor management and evaluation approaches can be time-intensive, while delivering little value to the government. 10x will investigate the creation of, and an approach to visualizing, a set of core metrics for tracking business, customer, development, and operations data for measuring vendor performance. This can result in better expectation-setting for vendors, improved performance, and better stewardship of taxpayer funds.	FY20-10X-70619	484448	Closed	3/27/2020	5/11/2020	FY20	No	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Leveraging Unemployment Insurance Data	Phase One	Despite significant effort, federal initiatives to modernize unemployment insurance programs have not yet been successful. Because these systems automatically capture data that could be reused across a number of government programs, they represent an opportunity for improved data management and decision-making at scale. This 10x project will develop domain expertise in Unemployment Insurance (UI) and explore the potential role of TTS in the UI space, such as developing an open API to access that automatically-captured data or developing partnerships with appropriate offices to modernize UI projects.	FY19-10X-15824	594699	Closed	4/13/2020	6/8/2020	FY20	Yes	Yes		
Site Redirects	Phase One	According to an analysis of 200 random .gov domains, 18% are redirects to other sites. Because of limitations for most DNS providers, many redirects must be hosted at static IP addresses on legacy off-cloud servers where managing HTTPS certificates is challenging and expensive. TTS will investigate the opportunity to provide a common self-service, cloud-based solution for gov redirects at the DNS, HTTPS, and server layers.	FY18-10X-02445	104691	Closed	3/24/2020	5/5/2020	FY19	Yes	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Applicant Tracking System	Phase One	Talent acquisition teams within the federal government face regulation, complexity, and insufficient tooling, which can ultimately impede an organization's ability to identify and acquire critical talent. This project will investigate opportunities to develop a way to capture, organize, and maintain the data and transactions related to talent acquisition in order to increase the efficiency and efficacy of talent operations. This research will help TTS understand if there is an opportunity to develop a new or leverage an existing solution that meets the nuanced requirements of federal hiring while still delivering the functionality and user experience necessary to decrease the time, effort, and cost involved in federal hiring.	FY17-10X-09127	709711	Closed	2/25/2020	5/5/2020	FY19	Yes	No		Potential benefits are not sufficient enough to justify further investment

RPA for SSPs	Phase One	Government System Security Plans (SSPs) are completed manually, amounting to hundreds of thousands of pages of manually-completed documentation each year. Current resource limitations make exploring automated approaches to this critical security process difficult. By leveraging Artificial Intelligence and newly-developed NIST standardized machine language to analyze System Security Plans, TTS will explore increasing FedRAMP's capacity to meet government-wide demand for secure cloud services, and how the same approach might be applied to any agency completing an SSP independent of FedRAMP.	FY19-10X-39819	063991	Closed	2/26/2020	5/11/2020	FY19	Yes	Yes		
Applicant Status Updates	Phase One	After a person has applied for a benefit from the government, they often receive no communication until the end of the process. These application processes can take months, and it can be an incredibly frustrating experience for an individual to live for months on end without knowing the status of their application. 10x will investigate possible technical solutions to this problem, which could sync with an agency's internal case management system and notify the applicants of their current status and expected resolution date.	FY20-10X-07219	215117	Closed	4/23/2020	6/10/2020	FY20	Yes	No		Another 10x project is working on this
Improving Accessibility in Data Visualizations	Phase Two	Data in tables, charts, graphs, maps and diagrams are difficult for the average person to understand; the issue is compounded when users are visually impaired. According to the National Institutes of Health (NIH), "3.2 million Americans had visual impairment in 2015", which doesn't even factor in things like color blindness.  This project will investigate the value of creating a simple-to-use standard that will increase comprehension for users with low or no vision, and provide easy-to-follow guidelines for publishers of government figures to have their materials be accessible to these audiences. It will also explore the tooling landscape to understand their built-in capabilities for making data visualizations that can appear in government reports, web pages, and other media, and what shortcomings may need to be addressed.	FY18-10X-88516	834753	Closed	10/23/2019	5/14/2020	FY19	No	No		The project has achieved its goals; no further 10x funding is necessary
Reusable Patterns for Data Visualization	Phase Two	Successful government projects often rely on bespoke, sophisticated data visualization work. However, convincing agency partners to invest in this kind of work can be a challenge — especially when the alternative, publishing reports as PDFs, is relatively easy though significantly less useful. Inspired by the U.S. Web Design System, TTS will explore creating a library of common interaction patterns designed to make data visualization a cheaper, simpler, and more compelling choice for the federal government.	FY18-10X-57068	998256	Closed	11/22/2019	5/14/2020	FY19	No	No		The project has achieved its goals; no further 10x funding is necessary
Spotlight	Phase Three	TTS drives the adoption of digital best practices and policy, from mobile-friendliness to online privacy and security, but currently lacks comprehensive, timely data to measure our success at seeing these approaches adopted. TTS will explore the possibility of creating a scanning service that examines federal websites, then analyzes and presents actionable intelligence based on the presence of web trackers and customer feedback tools, USWDS adoption, and security best practices.	FY18-10X-50190	624490	Closed	11/21/2019	5/20/2020	FY19	Yes	Yes		
U.S. Data Federation	Phase Four	TTS is funding this project because federated data efforts are increasingly seen as an engine for transparency, economic growth, and accountability, yet collecting that data remains a challenge. Despite the fact that efforts of this sort are increasing in frequency, agencies often have to build new efforts from scratch. Investment in reusable tools and approaches will streamline federated data efforts in the years to come.	FY16-GP2-74916	571404	Closed	10/1/2019	6/1/2020	FY19	No	No		The project has achieved its goals; no further 10x funding is necessary
Simplifying Benefits Process for Bereaved Survivors	Phase One	When people experience a death in their family, they are overwhelmed with grief, which is compounded by confusion about survivor benefits and next steps. Benefits.gov was created in 2002 as a mechanism for people to "pull" information about possible benefits, but with the structured data available today, 10x will explore whether this could become a "push" notification or guidance instead. Documented survivor customers could get a specific and detailed notification once an official death certificate is created to proceed with claims, and help them through these processes when they need the government's assistance most.	FY20-10X-12142	346329	Closed	4/16/2020	6/10/2020	FY20	Yes	Yes		
Combating Bias in AI/ML Implementations	Phase Two	Implementations of AI/ML often suffer from systematic bias created when algorithms are trained on insufficiently diverse datasets that don't match the variety of phenomena the system encounters in practice. This project will institutionalize corrective measures by critically reviewing the datasets used in *previously funded* projects for potential biasing mismatches.	FY18-10X-64685	777824	Closed	11/20/2019	6/9/2020	FY19	Yes	Yes		
Synthesizing Public Comments	Phase Two	It takes enormous amounts of staff time, resources, and taxpayer dollars to manually analyze written public comments submitted to agencies through various committees and many other channels. TTS should explore if Natural Language Processing and Artificial Intelligence can semi-automate, streamline, and expedite the public comment process, and whether any additional policy or guidance might be required to create a standard approach.	FY19-10X-18771	820767	Closed	2/12/2020	6/26/2020	FY20	No	No		Potential customers aren't yet able/willing to adopt solution
Finding Form-ester	Phase One	Americans need to locate forms in order to submit information to the government and receive essential services and the federal government as a whole struggles to make forms findable. Even when people know what agency they need to interact with, they do not often know which form they need to access. 10x will explore ways that technology can make Americans' lives easier by improving the process for finding the forms they need to fill out to receive benefits and information.	FY20-10X-44092	420473	Closed	5/20/2020	7/9/2020	FY20	Yes	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Open Data Risk and Benefit Toolkit	Phase One	Many of the federal agency resources/tools for risk management are "top down" in nature, and assume agencies have the same problems managing risks. Federal agencies have a need for more flexible risk management frameworks that balance risks and benefits and that can be customized to be relevant to an agency's need. TTS will explore the development of a more nuanced understanding of agency-specific needs for risk management, and develop tools to help agencies more comprehensively weigh the risks and benefits to open data sharing.	FY19-10X-44893	970870	Closed	6/25/2020	7/10/2020	FY20	Yes	Yes		
MLaaS	Phase Three	Each month, approximately 9,000 surveys are submitted through USA.gov and Gobierno.USA.gov. About 2,000 of these include open-ended comments. With current resource limitations, it's challenging to take advantage of this qualitative data. TTS will explore implementing a semi-automated product and/or process, using topic extraction, word/phrase frequencies, or other applications of text analysis, to help quickly respond to user feedback.	FY18-10X-60628	102495	Closed	11/27/2018	6/30/2020	FY19	No	No		Low, no, or unclear demand for service
Improving Access to Government Housing Assistance	Phase Two	The HUD Housing Program provides affordable rate rental housing to low-income families, the elderly, and persons with disabilities. USA.gov surveys clearly show that qualifying individuals, many of whom have limited time and resources, face significant obstacles locating their options for eligible housing, and there is no easy way to find rental properties that qualify for government assistance. TTS will investigate what it would take to feed government housing data into existing commercial tools or to develop an equally user-friendly tool for the public to search for eligible properties, learn about waiting list times, and determine their eligibility.	FY18-10X-98188	816144	Closed	2/7/2019	7/7/2020	FY18	No	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Risk Management for Open Science and Data	Phase Two	Federal open science and open data communities have matured to the point where, today, they face a shared challenge: how federal agencies should identify and manage risks to responsibly share data/information in order to optimize expected benefits vs. expected risks. Uncertainty on this topic has reduced agency compliance, created delays, and bottlenecked the responsible release of data and scientific information. TTS will investigate the development of a centralized Data Risk Management Toolbox with guidance for rigorous, analytical risk identification and mitigation using open-source digital tools, identified best practices, and a user-friendly online interface with developer documentation and guidance to responsibly unlock data as a strategic asset.	FY19-10X-44893	404124	Closed	4/16/2020	7/10/2020	FY20	No	Merged	970870	Someone else is doing this (or should already be doing it) and 10x doesn't need to
Government Email Service	Phase One	Email marketing is one of the primary communication vehicles used by the government; however, it requires costly contracts with third-party providers, who then pull in and store a significant amount of user data with very little oversight. 10x will explore creating an email marketing service that is open, accessible, and user-centered, while saving time and money by designing and building lightweight email templates based off of USWDS.	FY20-10X-18776	832763	Closed	6/8/2020	7/14/2020	FY20	Yes	No		Low, no, or unclear demand for service
Life Event Information for Seniors	Phase One	Turning 65 is an important milestone for American adults: it comes with new access to health insurance (Medicare), changing eligibility rules for common benefits programs (SNAP), new health recommendations (additional vaccinations and health screening), and important decisions about when to retire and start accepting Social Security retirement benefits. Information about these decisions come separately from multiple Federal agencies (SSA, CMS, CDC, USDA, etc.) at different times depending on the program's schedule. 10x will investigate a one-stop solution aimed at older adults, that connects them to important information and resources about their health, benefits, and retirement decisions in a coherent and streamlined way that makes decision-making easy and intuitive, and takes into account how these decisions interact with one another.	FY20-10X-37390	128478	Closed	6/1/2020	7/15/2020	FY20	Yes	Yes		
Data User Agreement Generator	Phase Two	Sharing data between or within agencies can involve a cumbersome and lengthy process of drafting and approving mutually satisfactory and legally appropriate data use agreements (DUAs). TTS will investigate developing a tool that includes a library of vetted clauses tagged by provision (such as type of data, legislative authorities, conditions of consent, purpose of request, and other governance aspects), and a rule-based drafting module that could potentially stitch together a complete document. Federal data stewards and requestors could be able to build DUAs that satisfy each party's programmatic and legal needs.	FY19-10X-54339	823093	Closed	5/6/2020	7/15/2020	FY20	No	No		Regulatory or legal hurdles present a significant barrier to project success
Modernizing Clinical Trials	Phase One	Many agencies maintain outdated and expensive clinical trial processes that cost the federal budget billions of dollars per year. These expensive processes include manual paper registration, inadequate data sharing, as well as confusing policies which are potentially hurting patients, scientists, and the government. 10x will explore how better design could help make the registration and oversight processes for clinical trials better for individuals who participate and the agencies that administer them.	FY19-10X-11634	285671	Closed	5/26/2020	7/17/2020	FY20	Yes	No		There is not a clear problem or practical solution
Large File Exchange	Phase One	Civil servants often need to send large files to one another across the government, but with email attachment limitations many people resort to sending physical USB drives. There is currently no government-wide tool for exchanging these types of files, especially files containing Personally Identifiable Information (PII) and Protected Health Information (PHI). 10x will investigate how best to enable new capabilities for government-wide large file transfer.	FY20-10X-92975	481166	Closed	5/26/2020	7/29/2020	FY20	Yes	Yes		
AI Experience Sharing Platform	Phase Two	Research indicates that federal Artificial Intelligence (AI) projects exist in various states of maturity across multiple agencies and that there are opportunities to identify common problem sets and clustered AI applications. 10x will investigate the creation of a shared platform to collect, curate, and share AI use cases and learnings from federal agencies to help inform leaders, connect practitioners, and share best practices throughout the AI community.	FY20-10X-04385	748316	Closed	4/20/2020	8/3/2020	FY20	Yes	Yes		
Open Source Photo Library Platform	Phase One	Federal agencies would benefit from an open source image hosting platform to enable more effective engagement with the public, press, and academia. TTS will investigate the development of an open source image hosting platform, using existing government-created solutions, that would allow agencies to create their own instance while contributing useful modifications and updates.	FY19-10X-38297	974136	Closed	6/22/2020	8/5/2020	FY20	Yes	Yes		
Measuring Mobile-Friendliness	Phase One	The 21st Century IDEA requires online forms and new and redesigned websites to be mobile-friendly. Federal agencies need a fast, efficient, and objective way to measure the mobile-friendliness of their websites and digital services. Similar to the Digital Analytics Program, if 10x developed a shared solution to measure and assess mobile-friendliness, agencies could improve the public's digital experience across devices without depending on private sector tools.	FY19-10X-05268	776418	Closed	7/1/2020	8/6/2020	FY20	Yes	No		Potential benefits are not sufficient enough to justify further investment
USWDS Advanced Form Controls	Phase Three	The 21st Century Integrated Digital Experience Act (IDEA) requires that agencies provide digital versions of their forms within the next two years and also promotes the use of the US Web Design System (USWDS) to achieve this goal. This project will explore the opportunity to develop clear, easy-to-understand guidance for agencies navigating this process that delivers in depth explanation and examples about how to write, design, build, and test digital forms as a part of the USWDS.	FY19-10X-60689	939480	Closed	3/5/2020	8/20/2020	FY20	No	No		The project has achieved its goals; no further 10x funding is necessary
Improving Recalls Data Quality and Delivery	Phase One	The Consumer Product Safety Commission (CPSC) estimates that death, injury, and property damage from consumer products costs the United States more than one trillion dollars each year. Due to policy and technical limitations, the federal government is struggling to provide high-quality data that can help take recalled goods and products out of the marketplace faster. 10x, in partnership with others, will explore opportunities to improve the quality, consistency, and delivery of federal recalls data.	FY19-10X-72413	843086	Closed	7/9/2020	8/25/2020	FY20	No	No		Low, no, or unclear demand for service
DevOps for Privacy Offices	Phase Three	Government technology professionals will increasingly collect and interact with information from the public in their pursuit of user-centered service design. Working closely with the Federal Privacy Council, TTS will explore how the application of technology might help civil servants understand and mitigate the risks that aggregations of personally identifiable information pose to the privacy of members of the public.	FY19-10X-41126	481529	Closed	1/22/2020	8/17/2020	FY19	Yes	Yes		
Monitoring Uptime for Government Services	Phase One	Government digital services are occasionally offline and unavailable to the public due to system errors or planned maintenance, but members of the public do not have visibility into when these critical services may be unavailable and do not know when they will be back online. There is an opportunity to monitor and collect uptime and availability statistics on various government services to help users plan ahead. 10x will investigate the creation of a government service uptime and availability monitor to provide transparent statistics.	FY20-10X-72110	312503	Closed	7/8/2020	8/26/2020	FY20	Yes	Yes		

Cost Allocation Calculator	Phase Two	Helping families address their needs in holistic ways can make the difference between families receiving the food, housing, and healthcare assistance they need. Despite this, benefits programs treat households in different ways, which makes comparing data and cost allocation across programs difficult and prone to errors. The waiver of OMB A-87 reduced this burden and encouraged states to develop holistic experiences for families, but it expired in 2019. 10x will investigate possible solutions, such as a streamlined allocation tool or a federal-wide household data model, to improve outcomes for the public by reducing the amount of overhead for states and federal agencies, providing a holistic view of households, and enabling families to better access the services they need.	FY20-10X-89708	597389	Closed	7/9/2020	9/2/2020	FY20	No	No		Potential customers don't see the problem as urgent or disagree that the problem exists
Open Source Code Awareness	Phase One	The Federal Source Code Policy issued a call to agencies to update their acquisition language to capture new custom code. Contracting officers and CORs however, may be unaware of this policy, the code.gov website, and how both can encourage code re-use, which makes IT procurement faster, more effective, and less expensive. 10x will explore how best to raise awareness of the Policy, and encourage procurement and acquisitions language that facilitates code re-use.	FY19-10X-92792	981138	Closed	7/22/2020	9/10/2020	FY20	No	No		Potential benefits are not sufficient enough to justify further investment
De-risking Government Technology	Phase Three	Every year, the federal government matches billions of dollars in funding to state and local governments to maintain and modernize IT systems used to implement federal programs, like Medicaid, child welfare benefits, housing, and unemployment insurance. Efforts to modernize those legacy systems fail at an alarmingly high rate and at great cost to the federal budget, in part because the officials who are responsible for designing, funding, implementing, and overseeing these projects lack the technical knowledge needed to make good decisions. TTS will investigate ways to design and procure successful IT system improvements in order to save the government money and improve outcomes for the public.	FY18-10X-91389	235574	Closed	12/17/2019	9/10/2020	FY20	No	No		The project has achieved its goals; no further 10x funding is necessary
Leveraging Open-Source Infrastructure	Phase One	Open source software powers the internet, the private sector and much of commerce in the United States. Unfortunately, the government too often does not leverage open-source solutions and spends billions of dollars on siloed platform infrastructure (different private sector electronic health records, different databases, email applications, etc.) making them less secure, interoperable and communicative in the process. The GSA CIO has open sourced its data availability platform (a common problem across many agencies). TTS will identify other common software examples and use cases that would fit within this framework for CIO/CTOs/OMB to learn from that could drive interoperability and potentially private sector interest (such as apps on top of open source electronic health records, etc.).	FY19-10X-20026	398090	Closed	7/3/2020	9/10/2020	FY19	No	No		There is not a clear problem or practical solution
Automating Code Assignments	Phase One	A frequent and particularly burdensome task in government data collections involves assigning codes to certain records, such as disability codes on veterans' disability claims, injury codes on workplace injury reports, and product codes that businesses must provide when declaring export shipments. Existing work at several agencies has sought to automate mapping tax descriptions to code, reducing the time and cost of the effort while improving accuracy. 10x will explore the potential of generalizing this work into something that other government agencies can easily implement into their workflows to save significant time and money.	FY20-10X-72577	286617	Closed	7/22/2020	9/11/2020	FY20	Yes	No		
Government Notification Services	Phase Two	The US has an opportunity to better leverage notifications to help the public get status updates on government programs and services. Learning from recent government efforts in the UK and Australia, TTS will investigate the feasibility of a notifications platform for government services.	FY19-10X-85009	921393	Closed	4/20/2020	9/17/2020	FY20	No	No		Business model is unclear or untenable
Secure Eligibility Validation	Phase Two	Government benefits agencies need eligibility verification from other agencies (for example, IRS for validating gross income) to establish whether a person or entity is eligible for a government program or funding, which is still done with paper forms and "wet-ink" signed requests. In order to improve the efficiency of these programs and the outcomes they deliver to the public, 10x will explore using technology to implement a standard way to communicate the eligibility requests between agencies.	FY20-10X-44949	500656	Closed	7/13/2020	9/22/2020	FY20	No	No		Potential customers aren't yet able/willing to adopt solution
Eligibility APIs Initiative	Phase Four	TTS is funding an investigation of the value and feasibility of building an API-based eligibility rules web service for a non-Medicaid human services program, such as the Supplemental Nutrition Assistance Program (SNAP) or Temporary Assistance for Needy Families (TANF), to help federal human service agencies facilitate the adoption of multi-benefit eligibility determination.	FY17-INC-79602	570302	Closed	8/1/2019	9/17/2020	FY19	No	No		The project has achieved its goals; no further 10x funding is necessary
Shared Components for Human Services	Phase Two	Despite sharing the same mission and core business functions, each state maintains their own software systems to run critical federally-funded benefits programs. Due to states' limited resources and technical capacity, many of these systems are in varying states of disrepair, which negatively impacts individuals who rely on these programs. Because these state systems are up to 90% federally funded, we believe federal agencies could significantly reduce the burden on the federal budget and improve program outcomes for Americans by selectively building and hosting discrete, user-focused components with baked-in best practices, to be offered as a service to states.	FY20-10X-78474	683111	Closed	7/13/2020	9/23/2020	FY20	Yes	Yes		
Surfing Public Voices	Phase Two	The public has a great deal to say about government services, but many of these conversations are not captured in depth or complexity (or at all) by PRA & OMB-approved surveys. Also, reliably and meaningfully analyzing human conversation -- which is inherently noisy -- captured outside of structured questionnaires and surveys is notoriously difficult problem in natural language processing. The goal of this project is to devise a system of cross-channel analytics media including local talk radio, forums, news articles, social media, and Senate testimony, to help uncover actionable insights that are lost in high-level broad analysis, and to extract meaning from "local" conversations to help identify high-priority pain points in government services and opportunities for improvement.	FY18-10X-40863	137285	Closed	6/24/2020	9/30/2020	FY20	No	No		There is not a clear problem or practical solution
Data Fixer	Phase Two	Data practitioners are often faced with incorrectly-formatted data for fields that have known formats, such as zip code or social security number. TTS will explore using machine learning to extend the Data Federation's ReVAL tool (or to create a new tool) capable of not only validating data, but proposing fixes when such formatting errors are identified, which could result in much quicker data repair, saving time and effort for practitioners.	FY19-10X-43462	200302	Closed	7/7/2020	10/15/2020	FY20	Yes	No		TTS leadership does not see this as high-value work and/or this is not aligned with priorities
Open-Source Grants Management Tools	Phase One	Several federal government agencies have created grants management tools to help them make use of available grants data, but these tools are usually made available only to the agencies that made them. 10x will investigate making these agency tools open source and usable by a government-wide audience, with the goal of making federal grants management more efficient for civil servants and creating quicker feedback loops to help grant recipients deliver on the objectives of their grants.	FY20-10X-85414	831555	Closed	5/12/2020	10/21/2020	FY20	No	No		The project has achieved its goals; no further 10x funding is necessary
Data Maturation Plan	Phase Two	Many government agencies are attempting to move towards a smart data, machine learning, or AI-ready future by pursuing expensive, duplicative, and laborious projects to update their existing data management tools using front-end fixes and very expensive patching. This approach will cost a fortune in maintenance and does not allow them to truly take advantage of the opportunities made possible by modern technology architectures. TTS will investigate developing a set of best practices for data maturation across the government, including investigating what platform approaches could be used, in order to save money, speed up the process, embolden teams, and lead to better systems and services.	FY18-10X-79614	775350	Closed	8/13/2020	9/30/2020	FY18	No	No		Another 10x project is working on this
Leveraging Unemployment Insurance Data	Phase Two	Despite significant effort, federal initiatives to modernize unemployment insurance programs have not yet been successful. Because these systems automatically capture data that could be reused across a number of government programs, they represent an opportunity for improved data management and decision-making at scale. This 10x project will develop domain expertise in Unemployment Insurance (UI) and explore the potential role of TTS in the UI space, such as developing an open API to access that automatically-captured data or developing partnerships with appropriate offices to modernize UI projects.	FY19-10X-15824	594699	Closed	7/21/2020	10/22/2020	FY20	Yes	No		The project needs to be discontinued mid-way
Dependency Upgrades	Phase Two	Without timely action, software dependencies and vulnerabilities can lead to major data breaches. Currently, many software applications either rely upon a manual process for updating, or require individual set-up of automation for code repositories. TTS will investigate whether new or existing tools can conduct automated scanning of software dependencies across government open source repositories, and whether there is the potential for a centralized security scanning service offering. Agencies seeking to implement the 21st Century Integrated Digital Experience Act (IDEA) could benefit from a practical guide to the legislation that breaks down each requirement in the law, and offers step-by-step implementation guidance and recommendations. TTS will investigate what guidance might be helpful to provide to agency partners, and how that guidance might be presented in an easy-to-understand manner.	FY19-10X-98153	544166	Closed	1/3/2020	10/26/2020	FY20	No	No		Low, no, or unclear demand for service
Digital Experience Guide	Phase Two	The COVID-19 crisis has exacerbated the need to better translate information around health, safety, unemployment, voting terminology, and other topics in a uniform way to communicate clearly with the 26 million Limited English Proficient (LEP) population. The U.S. Executive Order 13166 requires federal agencies to provide information in languages other than English to these constituents. Previously 10x investigations uncovered a need and desire for agencies to agree upon and authoritatively promote translated terminology by subject area, such as health and benefits. 10x will explore tooling, community, and governance around shared glossaries that can document and update adopted terminology for agencies, beginning with a small topic set and potentially expanding over time. This concept aims to decrease translation costs while increasing multilingual comprehension by using consistent terminology from a single source, providing transparency into the context of these language decisions.	FY19-10X-72916	135040	Closed	7/23/2020	10/27/2020	FY20	No	No		Project team didn't coordinate closely enough with necessary stakeholders
Multilingual Glossary Tool	Phase One	The COVID-19 crisis has exacerbated the need to better translate information around health, safety, unemployment, voting terminology, and other topics in a uniform way to communicate clearly with the 26 million Limited English Proficient (LEP) population. The U.S. Executive Order 13166 requires federal agencies to provide information in languages other than English to these constituents. Previously 10x investigations uncovered a need and desire for agencies to agree upon and authoritatively promote translated terminology by subject area, such as health and benefits. 10x will explore tooling, community, and governance around shared glossaries that can document and update adopted terminology for agencies, beginning with a small topic set and potentially expanding over time. This concept aims to decrease translation costs while increasing multilingual comprehension by using consistent terminology from a single source, providing transparency into the context of these language decisions.	FY20-10X-02219	505231	Closed	10/6/2020	11/3/2020	FY20	Yes	Yes		
Adapting Existing Open Source Contact Tracing Tools	Phase One	In many instances, Agencies are buying proprietary, black-box software when trying to develop COVID contact tracing applications, which runs the risk of potential privacy, security, and interoperability issues. There is an opportunity for massive cost savings for budget-strapped agencies, and a solution that can be deployed significantly faster to meet the urgent need to protect the well-being of the public and ultimately save countless lives. 10x will investigate the work being done from other open source platforms to potentially adapt existing tools into a shareable, open source solution that could be offered for rapid adoption across the United States.	FY20-10X-45898	102807	Closed	10/15/2020	11/18/2020	FY20	Yes	Yes		
Digital Field Kits for Federal First Responders	Phase One	Quickly provisioning technology and systems access is a significant impediment for agencies that are staffing up in response to disasters/emergencies, reducing the promptness of agency response. As a result of the COVID-19 pandemic, more agencies than ever are finding themselves and those they serve in an almost perpetual state of emergency. The process of activating new staff against this surging need varies widely across the federal government, and is further complicated by the need to coordinate with states, nonprofits, and contractors. 10x will explore the effectiveness of different agencies' techniques, uncover best practices, and seek areas where TTS technical expertise could help solve intra-agency problems (along with potential solutions to related acquisition/IT deployment issues) to help agencies respond faster in times of crisis.	FY20-10X-95857	930839	Closed	10/15/2020	11/23/2020	FY20	No	No		There is not a clear problem or practical solution
Navigating Public Records	Phase One	Across the government, hundreds of online FOIA Libraries contain a wealth of information, yet these libraries are disconnected and lack a centralized search capability to allow the public to easily navigate the records. 10x will investigate a centralized search capability that would allow the public to search across all agency FOIA Libraries, enhancing the public's interaction with government by facilitating the discovery of records already in the public domain, and creating efficiencies in agency FOIA operations as resources are directed to processing FOIA requests for information not previously disclosed and available to the public.	FY20-10X-94934	318275	Closed	11/2/2020	12/2/2020	FY20	Yes	Yes		
Improved Management of Eligibility Applications	Phase One	81% of families who qualify for one government assistance program also qualify for others, but having to painstakingly apply to each program individually is one of the biggest barriers to these families getting the assistance they need. Current funding structures disincentivize holistic application experiences, and existing vendor solutions are often low quality and costly. Free/low-cost, federally-hosted options have recently emerged for 1/3 of the necessary components for a complete, integrated eligibility system: an applicant-facing front-end and an eligibility rules API. 10x will explore a federally-provided, best-in-breed case management tool for state eligibility workers in order to offer a less expensive, integrated application experience.	FY20-10X-92419	460935	Closed	11/13/2020	12/2/2020	FY20	Yes	No		Potential benefits are not sufficient enough to justify further investment
Integrating Social Determinants of Health	Phase One	Currently, social determinants of health (SDOH) data is fragmented across a number of federal agencies. Technology could help reveal gaps that exist in access to housing, medical care, education, food, and other SDOHs, which will result in federal, state, and local government being able to create better programming, policies, and practices to address those gaps, in addition to businesses, nonprofits, and others strategically optimizing operations to serve populations in need. 10x will explore opportunities to integrate and layer SDOH data from a number of federal agencies such as HHS, HUD, USDA, ED, and others in an interactive data system that enables visualization, analysis, and modeling of the effects of experimental changes to the SDOH landscape and ecosystem.	FY20-10X-09998	902707	Closed	11/2/2020	12/2/2020	FY20	Yes	Yes		

Public Service Catalog	Phase One	The government lacks a standardized way for identifying, describing, and publishing information about all of the services offered to the public across federal agencies, making it difficult for the public to find and access these services. Establishing a data standard and a process of publishing/aggregating this data will make it easier to ensure the federal government is adequately describing the services it provides in a way that can easily be incorporated into search engines and government-wide directories like USA.gov and the National Contact Center. This effort will also complement a parallel initiative from OMB, which has made the Federal Program Inventory an FY22 priority.	FY20-10X-28881	927496	Closed	11/2/2020	12/2/2020	FY20	Yes	Yes		
Increasing Public Participation in Rulemaking	Phase One	The current process for including the public's ideas and concerns about new or updated federal rules and regulations limits the ability for the public to directly participate in shaping rules and can be cumbersome and time intensive for agencies to comply with. Other countries have experimented with alternative open source approaches to public engagement, such as Taiwan's vTaiwan project. It could be easier for the public to have a voice in the shape of policy and interact with the government in a more direct and meaningful way. 10x will investigate available, open source platforms (like pol.is) and practices from other countries to determine if there is a possible application in the United States.	FY20-10X-12248	965073	Closed	11/13/2020	12/2/2020	FY20	Yes	No		Potential benefits are not sufficient enough to justify further investment
Central Application for Federal Government Internships	Phase One	Many federal agencies have their own process for hiring college interns, leading to a fractured customer experience for applicants. A central application process for interns would result in an improved customer experience for students, and a more successful placement rate for agencies. 10x will explore current intern placement processes across government and the possibility of a centralized system or other improvements for federal agency internships.	FY20-10X-54812	077200	Closed	9/28/2020	12/15/2020	FY20	Yes	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
DE&I Data Collection and Tracking Tool	Phase One	According to the Partnership for Public Service, culturally-diverse minorities are underrepresented in both senior leadership and supervisory or managerial roles within government when compared to their overall representation in the federal workforce. Government-wide data on diversity, equity, and inclusion (DE&I) in federal leadership is antiquated and lacks cultural inclusivity (e.g., specifying racially diverse, such as afro-latinx, disabled and LGBTQ groups). Existing data is at least three years old and lacks metrics on position-specific information such as leadership and managerial roles. 10x will investigate using more accurate data to enable the government to better meet organizational DE&I goals, which could result in improvements to diverse hiring, retention, and promotion.	FY20-10X-22595	013010	Closed	11/16/2020	12/17/2020	FY20	No	No		Potential customers aren't yet able/willing to adopt solution
Equity-centered Design	Phase One	Government technologists are encouraged to employ human-centered design when building new products and services; however, the actual design of solutions is typically performed by designers without the involvement of users themselves. Consequently, human-centered design in government can include flaws resulting from power imbalance, insufficient input, and loss of autonomy. These flaws can be particularly glaring for solutions impacting marginalized communities, such as those designed in response to COVID-19. 10x will explore approaches for building a practice of equity-centered design and will examine how communities may be involved in the actual design process for the products that serve them.	FY20-10X-82123	153552	Closed	11/16/2020	12/17/2020	FY20	Yes	No		Potential benefits are not sufficient enough to justify further investment
Sharing Tribal Consultation Best Practices	Phase One	Today, 1.9 million American Indians and Alaska Natives belong to 567 federally recognized tribes. However, tribal consultation (i.e., user research with tribes) is not conducted consistently across federal agencies, or even within individual agencies. This leads to products, services, and policies that don't meet tribes' needs, as well as reporting/administrative burdens disproportionate to the support tribes receive. There is a need for clear, plain language guidance, as well as a standardized platform for engaging tribes in meaningful consultation, which would help create more consistent and equitable engagement with, and better services for, American Indians and Alaska Natives. 10x will explore plain language guidance and other tools to create a more consistent and equitable engagement with American Indians and Alaska Natives.	FY20-10X-18343	798348	Closed	11/16/2020	12/17/2020	FY20	Yes	Yes		
Digitizing Spill Response Guidance	Phase One	Agencies are mandated to provide scientific and technical support to government spill responders and planners when oil or chemicals spill in coastal waters. Previously, laminated paper field guides or "job aids" have been provided to assist all spill responders and planners. 10x will investigate developing a digitized solution that will contain the necessary information and allow for the job aid end users to access the field guides without requiring a data connection.	FY20-10X-22042	199992	Closed	9/28/2020	1/7/2021	FY20	No	No		Potential customers don't see the problem as urgent or disagree that the problem exists
Federalist+	Phase One	There is a need in government websites to allow for a more complex platform, while still maintaining an easy-to-comprehend user experience. Currently, Federalist provides customer agencies an easier way to build, launch, and manage government sites but lacks some of the functionality of fully custom sites. 10x will leverage lessons learned from Federalist and other off-the-shelf solutions and look to explore a repeatable turnkey site solution for agencies that find themselves needing a more dynamic site.	FY20-10X-19226	402180	Closed	11/13/2020	1/21/2021	FY20	No	No		Low, no, or unclear demand for service
Open Data Risk and Benefit Toolkit	Phase Two	Many of the federal agency resources/tools for risk management are "top down" in nature, and assume agencies have the same problems managing risks. Federal agencies have a need for more flexible risk management frameworks that balance risks and benefits and that can be customized to be relevant to an agency's need. TTS will explore the development of a more nuanced understanding of agency-specific needs for risk management, and develop tools to help agencies more comprehensively weigh the risks and benefits to open data sharing.	FY19-10X-44893	970870	Closed	11/3/2020	1/21/2021	FY20	Yes	No		Business model is unclear or untenable
Simplifying Benefits Process for Bereaved Survivors	Phase Two	When people experience a death in their family, they are overwhelmed with grief, which is compounded by confusion about survivor benefits and next steps. Benefits.gov was created in 2002 as a mechanism for people to "pull" information about possible benefits, but with the structured data available today, 10x will explore whether this could become a "push" notification or guidance instead. Documented survivor customers could get a specific and detailed notification once an official death certificate is created to proceed with claims, and help them through these processes when they need the government's assistance most.	FY20-10X-12142	346329	Closed	8/5/2020	1/25/2021	FY20	Yes	Yes		
Disaster Survivor Data Sharing Nexus	Phase One	Disaster survivors must often navigate different processes and systems across federal agencies to apply for, and check the status of, disaster assistance. Bureaucratic and legal restrictions on federal data sharing, along with separate technology systems, prevents federal partners from using existing data sharing capabilities (such as those at FEMA). Improvements could result in a seamless interface for survivors, leading to faster disaster recovery, as well as fewer instances of duplication of benefits and the need to recoup funds from disaster survivors. 10x will investigate challenges that can be addressed through tools, guidance, or better use of data to strengthen the functionality of shared resources, improving the experience for survivors applying for, checking the status of, and following up on federal disaster assistance.	FY20-10X-64897	170924	Closed	10/26/2020	1/26/2021	FY20	Yes	No		Potential customers aren't yet able/willing to adopt solution
Life Event Information for Seniors	Phase Two	Turning 65 is an important milestone for American adults. It comes with new access to health insurance (Medicare), changing eligibility rules for common benefits programs (SNAP), new health recommendations (additional vaccinations and health screening), and important decisions about when to retire and start accepting Social Security retirement benefits. Information about these decisions come separately from multiple Federal agencies (SSA, CMS, CDC, USDA, etc.) at different times depending on the program's schedule. 10x will investigate a one-stop solution aimed at older adults, that connects them to important information and resources about their health, benefits, and retirement decisions in a coherent and streamlined way that makes decision-making easy and intuitive, and takes into account how these decisions interact with one another.	FY20-10X-37390	128478	Closed	8/25/2020	1/29/2021	FY20	Yes	Merged	346329	This project is being merged into another 10x project
Comparing Vendor Accessibility Claims and Results	Phase One	Agencies face challenges in delivering accessible services to people with disabilities. Vendors submit accessibility conformance reports for their offerings demonstrating that their products meet Section 508 requirements. The government tests these claims, generating validation test results, but the data is not easily findable and thus can often lead to redundant testing and re-work. 10x will investigate improving the likelihood that accessible products will be considered in acquisition awards and explore reducing the redundancy in testing and validation efforts, saving agencies money.	FY20-10X-64895	057034	Closed	11/16/2020	2/4/2021	FY20	No	No		There is not a clear problem or practical solution
Improving Service to Repeat Disaster Survivors	Phase One	Disasters are affecting the United States with more frequency and intensity, which means that some US residents will be affected by disasters multiple times throughout their lifetimes. Existing tools do not currently have a way of tracking the experience of a survivor over multiple disasters and how they have or have not been assisted by federal agencies. Additionally, existing systems are fragmented and information has to be secured through multiple phone calls and field visits. 10x will explore improvements to the customer experience of repeat disaster survivors, potentially to include the creation of a Customer Management System that uses the survivor as the key reference. This will result in 1) better service to the survivor, 2) reducing duplicate work and saving money when working with a survivor, and 3) facilitating the location of the most vulnerable members of the public so they may receive the services they deserve.	FY20-10X-55516	682405	Closed	11/23/2020	2/4/2021	FY20	No	No		Someone else is doing this (or should already be doing it) and 10x doesn't need to
Large File Exchange	Phase Two	Civil servants often need to send large files to one another across the government, but with email attachment limitations many people resort to sending physical USB drives. There is currently no government-wide tool for exchanging these types of files, especially files containing Personally Identifiable Information (PII) and Protected Health Information (PHI). 10x will investigate how best to enable new capabilities for government-wide large file transfer.	FY20-10X-92975	481166	Closed	10/19/2020	2/5/2021	FY21	No	No		There is not a clear problem or practical solution
Automated Security Authorization Processing	Phase Two	Government System Security Plans (SSPs) are completed manually, amounting to hundreds of thousands of pages of manually-completed documentation each year. Current resource limitations make exploring automated approaches to this critical security process difficult. By leveraging Artificial Intelligence and newly-developed NIST standardized machine language to analyze System Security Plans, TTS will explore increasing FedRAMP's capacity to meet government-wide demand for secure cloud services, and how the same approach might be applied to any agency completing an SSP independent of FedRAMP.	FY19-10X-39819	063991	Closed	8/27/2020	2/9/2021	FY20	Yes	Yes		
Modernizing Legacy Technology Systems	Phase One	The COVID-19 crisis has placed an enormous strain on aging government IT systems that underpin much of government work. For example, some agencies have had to recruit COBOL programmers to service agency mainframes. The recent experience of the COEs working with COBOL mainframes at other agencies suggests an alternative cure may exist. 10x will investigate lessons and/or reusable technology that can be shared government-wide, so that more modern technology can replace legacy technology systems.	FY20-10X-75959	138263	Closed	2/11/2021	3/23/2021	FY20	Yes	No		Potential benefits are not sufficient enough to justify further investment
Low-code/No-code Service Delivery Improvement	Phase One	Agencies are using low-code/no-code options to get digital services, tools, and websites set up faster during COVID-19, avoid dependency on developers, and reduce security risks. In some cases, this can be an excellent solution that can allow agencies to react quickly, but could also lead to vendor lock-in and high costs over the long run. 10x will investigate the pros and cons of low/no-code options and develop a strategic set of recommendations for how and when to use low/no-code tools, along with considerations for associated acquisitions. Depending on the research findings, there may also be opportunities to create open source tools that integrate with low/no-code solutions, to help agencies use these tools in more human-centered ways and reduce the risk of vendor lock-in.	FY20-10X-56312	593795	Closed	1/7/2021	3/23/2021	FY20	Yes	Yes		
Verifying Disaster Losses for Survivors	Phase One	Government disaster verification of loss is paramount for eligibility with disaster assistance, yet this effort has constraints that hinder the expeditious delivery of federal assistance. Disaster verification of loss is challenged by type of incident, geographical location, environment/weather conditions (e.g. volcano activity), large scale fires, or health and safety hazards to survivors and government employees. 10x will explore the idea of a secure mechanism for disaster survivors to upload geotagged photos and videos of damaged property, showing the area(s) of concern, which will enable the government to perform faster verification, reduce the amount of home inspections, increase the accuracy and efficiency of remote inspection, reduce costs, and ensure the safety of the survivor and government staff.	FY20-10X-01339	685906	Closed	11/23/2020	4/8/2021	FY20	Yes	No		Potential customers aren't yet able/willing to adopt solution
Risk Management Framework Agile Methods	Phase One	Federal organizations are burdened by reinventing the wheel every time they conduct an authorization. There are common themes and pain points (e.g. system categorization, creating an SSP, continuous monitoring, etc.) that can be done for every Authority To Operate (ATO) across the federal government; however, there are not many resources or an agile way on how to go about doing those things. 10x will investigate a way to estimate the resources (time, money, people) it takes to get a system authorized and reduce the burden of time it takes for agencies to figure this process out on their own.	FY20-10X-53076	842566	Closed	2/5/2021	4/15/2021	FY20	Yes	No		Potential customers aren't yet able/willing to adopt solution
Contact Tracing in Federal Buildings	Phase Two	In many instances, Agencies are buying proprietary, black-box software when trying to develop COVID contact tracing applications, which runs the risk of potential privacy, security, and interoperability issues. There is an opportunity for massive cost savings for budget-strapped agencies, and a solution that can be deployed significantly faster to meet the urgent need to protect the well-being of the public and ultimately save countless lives. 10x will investigate the work being done from other open source platforms to potentially adapt existing tools into a shareable, open source solution that could be offered for rapid adoption across the United States.	FY20-10X-45898	102807	Closed	2/2/2021	4/19/2021	FY21	Yes	Yes		
AI Experience Sharing Platform	Phase Three	Research indicates that Federal Artificial Intelligence (AI) projects exist in various states of maturity across multiple agencies and that there are opportunities to identify common problem sets and clustered AI applications. 10x will investigate the creation of a shared platform to collect, curate, and share AI use cases and learnings from federal agencies to help inform leaders, connect practitioners, and share best practices throughout the AI community.	FY20-10X-04385	748316	Closed	9/15/2020	4/21/2021	FY20	No	No		This project will receive other funding from elsewhere

DevOps for Privacy Offices	Phase Four	Government technology professionals will increasingly collect and interact with information from the public in their pursuit of user-centered service design. Working closely with the Federal Privacy Council, TTS will explore how the application of technology might help civil servants understand and mitigate the risks that aggregations of personally identifiable information pose to the privacy of members of the public.	FY19-10X-41126	481529	Closed	9/25/2020	5/4/2021	FY20	No	No		The project has achieved its goals; no further 10x funding is necessary
Public Service Catalog	Phase Two	The government lacks a standardized way for identifying, describing, and publishing information about all of the services offered to the public across federal agencies, making it difficult for the public to find and access these services. Establishing a data standard and a process of publishing/aggregating this data will make it easier to ensure the federal government is adequately describing the services it provides in a way that can easily be incorporated into search engines and government-wide directories like USA.gov and the National Contact Center. This effort will also complement a parallel initiative from OMB, which has made the Federal Program Inventory an FY22 priority.	FY20-10X-28881	927496	Closed	3/30/2021	5/17/2021	FY21	Yes	No		Potential customers aren't yet able/willing to adopt solution
Equity-Centered Design with American Indians and Alaska Natives	Phase Two	Today, 1.9 million American Indians and Alaska Natives belong to 567 federally recognized tribes. However, tribal consultation (i.e., user research with tribes) is not conducted consistently across federal agencies, or even within individual agencies. This leads to products, services, and policies that don't meet tribes' needs, as well as reporting/administrative burdens disproportionate to the support tribes receive. There is a need for clear, plain language guidance, as well as a standardized platform for engaging tribes in meaningful consultation, which would help create more consistent and equitable engagement with, and better services for, American Indians and Alaska Natives. 10x will explore plain language guidance and other tools to create a more consistent and equitable engagement with American Indians and Alaska Natives.	FY20-10X-18343	798348	Closed	3/4/2021	5/21/2021	FY21	Yes	Yes		
Navigating Public Records	Phase Two	Across the government, hundreds of online FOIA Libraries contain a wealth of information, yet these libraries are disconnected and lack a centralized search capability to allow the public to easily navigate the records. 10x will investigate a centralized search capability that would allow the public to search across all agency FOIA Libraries, enhancing the public's interaction with government by facilitating the discovery of records already in the public domain, and creating efficiencies in agency FOIA operations as resources are directed to processing FOIA requests for information not previously disclosed and available to the public.	FY20-10X-94934	318275	Closed	4/19/2021	6/8/2021	FY21	Yes	Yes		
Open Source Photo Library Platform	Phase Two	Federal agencies would benefit from an open source image hosting platform to enable more effective engagement with the public, press, and academia. TTS will investigate the development of an open source image hosting platform, using existing government-created solutions, that would allow agencies to create their own instance while contributing useful modifications and updates.	FY19-10X-38297	974136	Closed	1/28/2021	7/15/2021	FY20	No	No		Potential benefits are not sufficient enough to justify further investment
Monitoring Uptime for Government Services	Phase Two	Government digital services are occasionally offline and unavailable to the public due to system errors or planned maintenance, but members of the public do not have visibility into when these critical services may be unavailable and do not know when they will be back online. There is an opportunity to monitor and collect uptime and availability statistics on various government services to help users plan ahead. 10x will investigate the creation of a government service uptime and availability monitor to provide transparent statistics.	FY20-10X-72110	312503	Closed	12/1/2020	7/23/2021	FY21	No	No		Potential customers don't see the problem as urgent or disagree that the problem exists
U.S. Federal Election Dates and Deadlines	Phase One	We have observed that there is no single authoritative source of information that aggregates key dates and deadlines for federal elections including, voter registration deadlines, mail-in ballot requests, and results certification deadlines. There are at least seven federal agencies that collect some of this information, but it is usually disconnected, non-comprehensive, and often ad hoc. These data are important for many uses, including reducing misinformation and increasing public trust. 10x will investigate the development of a comprehensive data collection instrument for election offices to report their data as well as an API to facilitate use of the data by the public and other agencies.	FY21-10X-00151	195272	Closed	6/9/2021	8/12/2021	FY21	Yes	Yes		
Integrating Social Determinants of Health	Phase Two	Currently, social determinants of health (SDOH) data is fragmented across a number of federal agencies. Technology could help reveal gaps that exist in access to housing, medical care, education, food, and other SDOH, which will result in federal, state, and local government being able to create better programming, policies, and practices to address those gaps, in addition to businesses, nonprofits, and others strategically optimizing operations to serve populations in need. 10x will explore opportunities to integrate and layer SDOH data from a number of federal agencies such as HHS, HUD, USDA, ED, and others in an interactive data system that enables visualization, analysis, and modeling of the effects of experimental changes to the SDOH landscape and ecosystem.	FY20-10X-09998	902707	Closed	5/17/2021	8/17/2021	FY21	No	No		Business model is unclear or untenable
Future of Data Collection	Phase Two	The pace of both technology transformation and the public's expectation for real-time data are increasing. Government surveying methods have not kept up with these changes. TTS—drawing on the USAgov team's experience in the field of government surveys—will explore how the government might provide valuable data in real-time back to survey respondents and use adjacent information to enhance the quality of survey instruments.	FY19-10X-43344	113640	Closed	9/25/2021	8/25/2021	FY21	Yes	Yes		
Visualizing the Federal Carbon Footprint	Phase One	We have observed that the federal government emits huge amounts of greenhouse gases (GHG) every year, including more than 37 million tons from federal facility operations in 2019 alone. The public lacks a window into how federal agencies are doing their part to reduce the effects of climate change. 10x will investigate how user-centered design and savvy data analysis could create a clear picture of the government's efforts to kick its carbon habit, resulting in more transparency and accountability and ensuring that we, as civil servants, are doing our best to reduce the impact of climate change on our country.	FY21-10X-55172	976181	Closed	6/24/2021	9/14/2021	FY21	Yes	Yes		
Untangling Climate Resources	Phase One	While many federal agencies provide climate change information to the public, this information is siloed and spread across many different agencies, meaning the public lacks a single, comprehensive view with government-published data into the effects of climate change. What if there was a single, canonical resource for the public to turn to for answers on how climate change is affecting the environment and their communities? 10x will investigate the opportunity to bring together both climate change data and existing research into a single, user-friendly resource for the public.	FY21-10X-30538	505700	Closed	8/2/2021	9/14/2021	FY21	Yes	Yes		
Plain Language for Data Tables	Phase One	Through user testing, we have observed that people often struggle to read and interpret data tables provided by statistical agencies. For example, the frequently-used term, "tenure," found in Census tables, has a different internal meaning than its popular use. Additionally, someone looking for poverty information may not understand certain statistical terms such as, "below 50%, below 100%, below 150%, and below 200% of the poverty level" or "margin of error". There are also problems with the user interface of tables. With so many rows and columns, labels cut off or hidden, users struggle with understanding the content due to overly complicated table designs. 10x will explore how to make data tables on government websites more user-friendly and comprehensible for the public and other groups leveraging this available data, such as journalists and academia.	FY21-10X-77644	801741	Closed	6/23/2021	9/21/2021	FY21	No	No		There is not a clear problem or practical solution
Combating Bias in AI/ML Implementations	Phase Three	Implementations of AI/ML often suffer from systematic bias created when algorithms are trained on insufficiently diverse datasets that don't match the variety of phenomena the system encounters in practice. This project will institutionalize corrective measures by critically reviewing the datasets used in *previously funded* projects for potential biasing mismatches.	FY18-10X-64685	777824	Closed	4/26/2021	9/29/2021	FY21	No	No		The project has achieved its goals; no further 10x funding is necessary
Improving Response and Tracking of Sewer Spills	Phase One	Sewer systems are a hidden, but critical component of our country's infrastructure that transport domestic and industrial wastewater to treatment facilities. Occasionally, these sewer systems overflow and release sewage into the environment and into homes. Federal regulations require basic data reporting about these releases to their permitting authorities, but these reports are most often done on paper or in non-standard formats, which limits the availability and utility of these data on a national scale. Improvements to these datasets will provide transparency on the locations of frequent sewer overflows, including if they are in areas of environmental justice concerns, such as underserved communities. 10x will investigate how to use modern reporting tools, with open source software, to help the regulators better respond to emergencies by providing more effective and efficient oversight to prevent and minimize sewer overflows. In addition, 10x will gather and make sense of data relating to how these overflows may disproportionately affect underserved communities.	FY21-10X-89709	813773	Closed	7/28/2021	10/13/2021	FY21	Yes	Yes		
Equity in Environmental Information	Phase One	We have observed that the process for government water hazard alerts is not always delivered equitably across all affected populations. 10x will investigate the development of a framework tailored for federal agency communications teams that specifically elevates equity concerns, helping at-risk populations be better served, informed, and empowered to protect their communities.	FY21-10X-51588	063265	Closed	8/11/2021	10/14/2021	FY21	No	No		
National Conservation Lands Map	Phase One	The government has a wealth of geospatial data on Federal Lands, but this data is fragmented across multiple federal agencies. Recent legislation prioritizes the conservation and protection of public lands, but there is no single database that connects information on land ownership, authorized designation boundaries, or conservation status together. 10x will investigate the feasibility of a single interactive, geospatial, conservation database that will help the federal government prioritize and connect fragmented habitats, protect migration corridors, and enhance environmental quality.	FY21-10X-33818	351272	Closed	8/9/2021	10/21/2021	FY21	No	No		
Improving Government Services en Español	Phase One	Spanish is the second most spoken language in the United States, with millions of households speaking only Spanish. Today, Spanish language service in the government is handled by translation APIs, inconsistent translation services, or translated by Spanish-speakers inside the agencies. In addition, usability testing in Spanish is not conducted consistently across federal agencies, or even within individual agencies. This leads to products, services, and policies that don't meet the needs of Spanish speakers. 10x will investigate the feasibility of developing centralized resources and guidance that will help the government provide equitable service to Spanish-speaking communities.	FY21-10X-58410	972938	Closed	9/8/2021	10/28/2021	FY21	Yes	No		
Reimagining Access to Government Services	Phase One	We have observed that circumstances of poverty can make it incredibly difficult for the people who need government benefits the most to apply for and receive these benefits. These circumstances include having phone numbers shared among multiple people or lacking a consistent phone number at all, and not having a reliable permanent address to receive mail. These are serious obstacles for many people trying to navigate the government's benefits processes, because many of these are basic requirements when signing up for government services and communicating with agencies. What if we could design technical workarounds for folks in these difficult situations that would help them access benefits more easily? 10x will investigate these constraints and explore solutions to this problem using technology.	FY21-10X-48969	558252	Closed	9/29/2021	10/25/2021	FY21	Yes	Yes		
Broadband for Underserved Populations	Phase One	The US government operates and maintains a high-speed, nationwide wireless broadband network specifically dedicated to public safety communications. This network reaches 99% of Americans. At the same time, however, millions of American students, particularly minority students, lack internet access at home. This has been especially damaging during the COVID-19 pandemic when many schools rely on at-home learning. What if the public safety broadband network could help alleviate this digital divide in the US? 10x will investigate the opportunity to monitor the network, identify down periods, and connect any underutilized bandwidth to education hubs near Native and other underserved or low-income communities.	FY21-10X-60969	872198	Closed	9/29/2021	10/25/2021	FY21	No	No		
Automated Security Authorization Processing	Phase Three	Government System Security Plans (SSPs) are completed manually, amounting to hundreds of thousands of pages of manually-completed documentation each year. Current resource limitations make exploring automated approaches to this critical security process difficult. By leveraging Artificial Intelligence and newly-developed NIST standardized machine language to analyze System Security Plans, TTS will explore increasing FedRAMP's capacity to meet government-wide demand for secure cloud services, and how the same approach might be applied to any agency completing an SSP independent of FedRAMP.	FY19-10X-39819	063991	Closed	4/8/2021	10/21/2021	FY21	Yes	Yes		
Resources for Former Incarcerated Individuals	Phase One	More than 650,000 people are released from prison every year, but studies show that the recidivism rate is at nearly 66 percent. While many government agencies offer guidance for the formerly incarcerated, we believe this issue is so high profile in society today that it warrants further exploration by 10x. For example, we have observed that there is no centralized, government-led resource for formerly incarcerated individuals to learn about reentry services, social safety net programs, or record expungement -- services that help keep people out of the carceral system. 10x will explore current government offerings in this space and investigate the creation of a centralized resource to help support both individuals leaving prison and the network of local and national nonprofit organizations dedicated to supporting their reentry.	FY21-10X-70424	870672	Closed	9/15/2021	11/16/2021	FY21	Yes	Yes		

Data Passport	Phase One	We have observed that the public does not have a good understanding of what happens to their data when they share it with the federal government, which results in low public trust, low sign up for optional services intended to benefit the public, and underreporting of civil rights and whistleblower complaints. We believe that by creating a "data passport" or personal file that would allow people to see who accessed the data that they shared with the government and when, or opt into sharing information to match for service eligibility or allow the government to prefill forms like taxes or enrollment forms, that it would result in a more transparent relationship between the public and government and increase public trust. In addition, 10x will explore the concept of a public data trust, which means involving the public not just in information sharing, but in the process of analyzing and making decisions based off that data as well.	FY21-10X-70263	178617	Closed	9/8/2021	11/8/2021	FY21	Yes	Yes		
Know Your Civil Rights	Phase One	Through user research conducted on a recent civil rights project at the Department of Justice, we learned that the public doesn't have a good understanding of their civil rights. The public's experience finding such information and how to seek justice is fragmented across agency websites. The responsibility for investigating civil rights issues, such as sexual harassment in housing, disability discrimination in the workplace, and rights for the incarcerated are shared by multiple agencies, making it difficult for the public to find this critical information. What if there was a new, streamlined way for the government to communicate civil rights information to the public? 10x will investigate the opportunity to remove complex barriers the public faces when seeking justice by bringing this vast pool of information together.	FY21-10X-08437	207445	Closed	9/15/2021	11/16/2021	FY21	No	No		
Multilingual Glossary Tool	Phase Two	The COVID-19 crisis has exacerbated the need to better translate information around health, safety, unemployment, voting terminology, and other topics in a uniform way to communicate clearly with the 26 million Limited English Proficient (LEP) population. The U.S. Executive Order 13166 requires federal agencies to provide information in languages other than English to these constituents. Previously 10x investigations uncovered a need and desire for agencies to agree upon and authoritatively promote translated terminology by subject area, such as health and benefits. 10x will explore tooling, community, and governance around shared glossaries that can document and update adopted terminology for agencies, beginning with a small topic set and potentially expanding over time. This concept aims to decrease translation costs while increasing multilingual comprehension by using consistent terminology from a single source, providing transparency into the context of these language decisions.	FY20-10X-02219	505231	Closed	3/9/2021	11/18/2021	FY21	Yes			
Software Development Vendor Management Guide	Phase One	We have observed that custom software development projects in government are failure-prone, which can result in a massive hit to the federal budget, as well as frustration on behalf of the civil servants who use new systems to serve the public. We believe that improving software procurements could deliver massive impact not only in cost savings for the government but in human outcomes as well. Based on the positive attention received by another 10x investment—the 18F de-Risking Field Guides—10x will invest in an additional resource that covers vendor maintenance writ large.	FY21-10X-83389	124861	Closed	10/2/2021	11/29/2021	FY22	Yes	No		
Helping Small Disadvantaged Businesses Navigate Federal Procurement	Phase One	We have observed that socioeconomically disadvantaged small business owners face high barriers to entry into the federal marketplace. While there are many resources to help these businesses learn about what's possible, there is very little available to show them how to navigate the experience of actually filling out a government solicitation in pursuit of a contract. Many are forced to spend thousands of dollars hiring consultants to prepare proposals. 10x will explore the creation of a self-service tool to help entrepreneurs navigate through the nuances of proposal development and help aid minority business-owners in the process of securing government contracts.	FY21-10X-22213	810487	Closed	10/2/2021	11/29/2021	FY22	No	No		
Reducing Duplicative Content on Agency Websites	Phase One	The 21st Century Integrated Digital Experience Act requires that any federal website or digital service "does not overlap with or duplicate any legacy websites and, if applicable, ensure that legacy websites are regularly reviewed, eliminated, and consolidated". Addressing the proliferation of redundant information is critical to improving the digital experience for the public, yet agencies face many challenges in complying with the law. Most lack a proper foundation for the work as they own thousands of pieces of untagged and inconsistently organized content across dozens of sites, making providing duplicative content to subject matter experts extremely difficult or near impossible. 10x will investigate the creation of a supervised machine learning solution for agencies that both sorts content into manageable and logical groupings and builds a topic taxonomy for agencies to use to govern their websites and digital services into the future.	FY21-10X-89228	994792	Closed	10/12/2021	11/29/2021	FY21	No	No		
Benefits Eligibility Awareness Recognition Service	Phase Three	The Benefits Eligibility Awareness Recognition Service Phase 3 will develop a proactive solution to improve awareness of benefits that can support citizens experiencing major life events. Many life events lead a person to engage with the government - the birth of a child, enrolling in college, retirement, and loss of a family member. Good or bad, life events can be stressful. Navigating complex and time consuming application processes can add to that stress. Existing checklists, guides and federal resources are often not actionable, not personalized and are scattered across numerous sources. Fragmented and agency-centered information leads to missed opportunities to find and apply for assistance at critical moments that could have lasting impact on quality of life and the perception of government services. In phase 3 we will improve awareness through a streamlined experience and explore ways to push personalized information to the public at the time of need.	FY20-10X-12142	346329	Closed	3/31/2021	11/8/2021	FY21	Yes	Yes		
Quantifying the Social Value of Data	Phase One	The government spends billions of dollars annually collecting scientific, administrative, and survey data, but measuring the social value of the data is often difficult. For example, there is a ton of research performed using publicly available and controlled-access, restricted-use microdata, but tracking research outputs, such as working papers and journal articles that use government data, is challenging. 10x will explore tools such as web scraping and text mining to identify research outputs generated using government data, develop methods for collecting such information more efficiently, measure the value of that data in terms of outputs, and make the information transparent and easily accessible to the public and policymakers.	FY21-10X-78248	787064	Ongoing	12/9/2021		FY22				
Identity Alerts for Government	Phase One	The public has a growing need for solutions that protect them from identity theft and fraud by bad actors using their personal information to fraudulently claim benefits at the Federal/State/Local level. 10x will investigate the development of a new free-to-the-public Identity Alert Service that leverages information from participating credit bureaus to allow members of the public to opt into notifications if their personal information is used to access public sector services. This service could alert users before someone creates a new account or claim using their identity, reducing fraud and enhancing program integrity.		398023	Ongoing	12/9/2021		FY22				
Untangling Climate Resources	Phase Two	While many federal agencies provide climate change information to the public, this information is siloed and spread across many different agencies, meaning the public lacks a single, comprehensive view with government-published data into the effects of climate change. What if there was a single, canonical resource for the public to turn to for answers on how climate change is affecting the environment and their communities? 10x will investigate the opportunity to bring together both climate change data and existing research into a single, user-friendly resource for the public.	FY21-10X-30538	505700	Ongoing	10/18/2021		FY22				
10x Administration FY21	10x Admin	TTS will use the funding for administrative and development costs.			Ongoing	7/2/2021	4/1/2022	FY21				
Low-code/No-code Service Delivery Improvement	Phase Two	Agencies are using low-code/no-code options to get digital services, tools, and websites set up faster during COVID-19, avoid dependency on developers, and reduce security risks. In some cases, this can be an excellent solution that can allow agencies to react quickly, but could also lead to vendor lock-in and high costs over the long run. 10x will investigate the pros and cons of low/no-code options and develop a strategic set of recommendations for how and when to use low/no-code tools, along with considerations for associated acquisitions. Depending on the research findings, there may also be opportunities to create open source tools that integrate with low/no-code solutions, to help agencies use these tools in more human-centered ways and reduce the risk of vendor lock-in.	FY20-10X-56312	593795	Ongoing	10/11/2021		FY22				
Visualizing the Federal Carbon Footprint	Phase Two	We have observed that the federal government emits huge amounts of greenhouse gases (GHG) every year, including more than 37 million tons from federal facility operations in 2019 alone. The public lacks a window into how federal agencies are doing their part to reduce the effects of climate change. 10x will investigate how user-centered design and savvy data analysis could create a clear picture of the government's efforts to kick its carbon habit, resulting in more transparency and accountability and ensuring that we, as civil servants, are doing our best to reduce the impact of climate change on our country.	FY21-10X-55172	976181	Ongoing	10/11/2021		FY22				
U.S. Federal Election Dates and Deadlines	Phase Two	We have observed that there is no single authoritative source of information that aggregates key dates and deadlines for federal elections including, voter registration deadlines, mail-in ballot requests, and results certification deadlines. There are at least seven federal agencies that collect some of this information, but it is usually disconnected, non-comprehensive, and often ad hoc. These data are important for many uses, including reducing misinformation and increasing public trust. 10x will investigate the development of a comprehensive data collection instrument for election offices to report their data as well as an API to facilitate use of the data by the public and other agencies.	FY21-10X-00151	195272	Ongoing	10/4/2021		FY22				
Site Scanning	Phase Four	TTS drives the adoption of digital best practices and policy, from mobile-friendliness to online privacy and security, but currently lacks comprehensive, timely data to measure our success at seeing these approaches adopted. TTS will explore the possibility of creating a scanning service that examines federal websites, then analyzes and presents actionable intelligence based on the presence of web trackers and customer feedback tools, USWDS adoption, and security best practices.	FY18-10X-50190	624490	Ongoing	8/4/2020		FY20	No	No		
Shared Components for Human Services	Phase Three	Despite sharing the same mission and core business functions, each state maintains their own software systems to run critical federally-funded benefits programs. Due to states' limited resources and technical capacity, many of these systems are in varying states of disrepair, which negatively impacts individuals who rely on these programs. Because these state systems are up to 90% federally funded, we believe federal agencies could significantly reduce the burden on the federal budget and improve program outcomes for Americans by selectively building and hosting discrete, user-focused components with baked-in best practices, to be offered as a service to states.	FY20-10X-78474	683111	Ongoing	1/21/2021		FY21				